

GenCore version 5.1.6
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OK nucleic - nucleic search using sw model

Run on: November 25, 2003, 04:55:18 | Search time 3301 Seconds

(without alignment) 10705.455 Million cell updates/sec

Title: US-10-021-368-2

Perfect score: 1 ACGACGCGCGACGACGACGCGC.....GTCTGTAAAAAATTTAAAAA 1454

Sequence:

Scoring table: IDENTITY NUC

Gapco 10.0, Gapext 1.0

Searched: 22761397 seqs, 1215233066 residues 45562784

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing files: 45 Summaryfile

Database:

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27: em_gscba.*
28: gb_esc1.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARY

Result No.	Score	Match	Length	DB ID	Description
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5	672.6	46.3	794	10	BGB69321	BGB69321 602931165
6	669.6	46.1	717	10	BMB983532	BMB983532 601681169
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8	652.8	44.9	786	12	BMB983532	BMB983532 601681169
9	650.4	44.7	686	10	BGB79444	BGB79444 602623463
10	620.8	42.7	625	12	BMB72674	BMB72674 601681169
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13	591.8	40.7	1116	10	BMB78680	BMB78680 601681169
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ALIGNMENTS

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AGENCOURT_6581105 NIH_MGC_98 Homo sapiens cDNA clone IMAGE:454819
DEFINITION
BMB09901.1 GI:19126724
VERSION
BMB09901.1
KEYWORDS
SOURCE
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ORGANISM
Homo sapiens (human)
REFERENCE
1 (bases 1 to 1140)
NIH-MGC/ftp://mgi.nci.nih.gov/
TITLE
BMB09901.1
JOURNAL
COMMENT
Email: gabbas-remail.nih.gov
Contact: Robert Stransberg, Ph.D.
CDNA Library Preparation: Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LMU)
DNA sequencing by: Agencourt Bioscience Corporation
Found through: NIH-MGC cDNA distribution information can be
http://image.nih.gov/Consortium/LMU at:
Plate: LMG1950 row: 5 column: 04
High quality sequence start: 17

Tissue Preparation: JROCC
DNA Library Preparation: Ling Hong/Rubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LMU)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MCC clone distribution information can be
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0y 358 TGGGCTCGAGTAAAGGATGATCACTGCTCTTCTCAAGGCGAGCAGCTCCG
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478 ACGATGAGC-----ACGATCTCATGTTGCTAA-
GCTGGCCAGGCC



526 CCGGGACCCCGCGTCGGGCGCCACAGCTTCCCTACCGCTGTCTCAGCCCGAGACCA

Db 420 TGCAGGTGCTGCTGGGCGACACGGCGG--CCGAGAGTGAATACACACACGGGCTT

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946 ATGCTCCTGCTGATCCA 962

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LOCUS				
BG679444				
RESULT 9				
BG679444				

VERSION	KEYWORDS	SOURCE
EG679444.1	GI:13910841	Homo sapiens (human)
EST.		

REFERENCES

1. Baines I et al. *Endocrine Disruptors*. Humana Press; 2006.

AUTHORS

NIH-MGC <http://mgc.ncl.nih.gov/>.

National Institutes of Health. National Center for Human Genome Research (NCHGR). <http://www.ncbi.nlm.nih.gov/genome/guide/mgc.html>.

Email: cgapbs-remail.nih.gov
Tissue procurement: James Cleaver, M.D.
cDNA library preparation: Life Technologies, Inc.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LINL at: <http://image.lnl.gov>

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 SOURCE Homo sapiens
 ORGANISM Homo sapiens
 Eukaryotes; Metazoa; Chordata; Cephalata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
 REFERENCE NCI-GAP http://www.ncbi.nlm.nih.gov/ncigap.
 TITLE National Cancer Institute Cancer Genome Anatomy Project (CGAP),
 Tumor Gene Index
 JOURNAL NCI-GAP
 COMMENT Contact: Robert Strauberg, Ph.D.
 Email: cgaap@femail.nih.gov
 Tissue procurement: Christopher Moskalko, M.D., Ph.D., Michael R.
 Bader, M.D., NCI-GAP
 DNA Library preparation: Life Technologies, Inc.
 cDNA library Arrayed by: Greg Lennon, Ph.D.
 DNA sequencing by: Washington University Genome Sequencing Center
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 Best Local Similarity 91.5%; Pred. No. 9.7e-107;
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 181 GGGCTCTCCCTCCAAAGACAGCGCTTGAACCCGACACCTAATAGCGCCCGTTCGCG 240
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Search completed: November 25, 2003, 07:29:52
 Job time: 3311 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.
OM nucleic - nucleic search, using sw model

Run on: November 25, 2003, 06:34:14 Search time 466 seconds

9856.953 Million cell updates/sec

Title: US-10-021-368-2

Perfect score: 1454
Sequence: 1 ACACGGCGACACACACACACGCGC.....GTGCGTAAAAAAAAAAAAA 1454

Scoring table: IDENTITY NUC
Gapco 10.0, Gapext 1.0

Searched: 2190069 seqs, 164745023 residues

Total number of hits satisfying chosen parameters: 4380138

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications NA*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

No.	Score	Query	Length	DB	ID	Description
1	1454	100.0	1454	12	US-10-059-579-94	Sequence 94, Appl
2	1454	100.0	1454	12	US-10-301-822-94	Sequence 92, Appl
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7	829.4	57.0	831.9	10	US-09-888-615-28	Sequence 78, Appl
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Db 601 GTTCCTGTGAGACCAAGATGTGGGTGTGTGAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 660
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Db 661 AATTCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 720
Oy 721 AATTCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 780
Db 721 AATTCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 780
Oy 781 GTTCCTGTGAGACCAAGATGTGGGTGTGTGAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 840
Db 781 GTTCCTGTGAGACCAAGATGTGGGTGTGTGAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 840
Oy 841 CAGGAGATCCAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 900
Db 841 CAGGAGATCCAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 900
Oy 901 CCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 960
Db 901 CCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 960
Oy 961 CAGGAGATCCAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1020
Db 961 CAGGAGATCCAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1020
Oy 1021 GTTCCTGTGAGACCAAGATGTGGGTGTGTGAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1080
Db 1021 GTTCCTGTGAGACCAAGATGTGGGTGTGTGAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1080
Oy 1081 CATTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1140
Db 1081 CATTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1140
Oy 1141 CAGGAGATCCAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1200
Db 1141 CAGGAGATCCAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1200
Oy 1201 GTTCCTGTGAGACCAAGATGTGGGTGTGTGAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1260
Db 1201 GTTCCTGTGAGACCAAGATGTGGGTGTGTGAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1260
Oy 1261 AATTCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1320
Db 1261 AATTCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1320

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Oy 1321 TCTTGAACCAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1380
Db 1321 TCTTGAACCAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1380
Oy 1381 GTTCCTGTGAGACCAAGATGTGGGTGTGTGAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1440
Db 1381 GTTCCTGTGAGACCAAGATGTGGGTGTGTGAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1440
Oy 1441 AAAAAAAAAAAAAA 1454
Db 1441 AAAAAAAAAAAAAA 1454

```

RESULT 3

US-10-366-288-51

Sequence 51, Application US/10366288

General Information:

Accession: US030216288A1

Applicant: Powell, Douglas S.

Title of Invention: Methods and Compositions for Treating

Title of Invention: Methods and HIV-Related Disorders Using 1414, 1481, 1553,

Title of Invention: 10002, 1611, 1371, 14324, 126, 270, 312, 167, 326, 18926,

Title of Invention: 1747, 1793, 1794 OR 2045 MOLECULES

Current Filing Date: US/10/566,288

Prior Filing Date: 2003-02-13

Prior Application Number: 60/357,391

Prior Application Number: 60/380,249

Prior Filing Date: 2002-05-13

Prior Application Number: 60/391,306

Prior Filing Date: 2002-08-27

Prior Application Number: 60/412,007

Prior Filing Date: 2002-09-29

Prior Application Number: 60/417,508

Prior Filing Date: 2002-10-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

Prior Filing Date: 2002-12-10

Prior Application Number: 60/432,318

QY 121 GCGCGGCGCTGCGAGAGCTGCTGCGCTGCTGAGTGGGAGCTGCTGCGGCGGAGAGCTG 180
 DB 121 GCGCGGCGCTGCGAGAGCTGCTGCGCTGCTGAGTGGGAGCTGCTGCGGCGGAGAGCTG 180
 QY 181 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240
 DB 181 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240
 QY 241 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 300
 DB 241 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 300
 QY 301 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 360
 DB 301 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 360
 QY 361 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 420
 DB 361 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 420
 QY 421 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 480
 DB 421 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 480
 QY 481 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 540
 DB 481 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 540
 QY 541 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 600
 DB 541 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 600
 QY 601 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 660
 DB 601 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 660
 QY 661 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 720
 DB 661 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 720
 QY 721 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 780
 DB 721 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 780
 QY 781 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 840
 DB 781 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 840
 QY 841 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 900
 DB 841 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 900
 QY 901 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 960
 DB 901 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 960
 QY 961 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1020
 DB 961 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1020
 QY 1021 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1080
 DB 1021 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1080
 QY 1081 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1140
 DB 1081 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1140
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 DB 1141 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1200

QY 1201 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1260
 DB 1201 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1260
 QY 1261 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1320
 DB 1261 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1320
 QY 1321 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1380
 DB 1321 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1380
 QY 1381 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1440
 DB 1381 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1440
 QY 1441 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1500
 DB 1441 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1500

RESULT 6

US-10-101-510-78
 Sequence 78, Application US/10101510
 Publication No. US20030148295A1
 GERERAL INFORMATION:
 APPLICANT: MNO. YXIN
 TITLE OF INVENTION: EXPRESSION PROFILES AND METHODS OF USE
 FILE REFERENCE: 15117, 0012
 CURRENT APPLICATION NUMBER: US/10/101, 510
 PRIOR APPLICATION NUMBER: 60/726, 947
 PRIOR FILING DATE: 2001-03-20
 NUMBER OF SEQ ID NOS: 805
 SEQ ID NO 78
 LENGTH: 1457
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-10-101-510-78

Query Match 99.2%; Score 1442; DB 12; Length 1457;

Best Local Similarity: 99.9%; Pred. No. 0; Matches 1457; Constructive 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 ACAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 60
 DB 1 ACAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 60
 QY 61 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 120
 DB 61 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 120
 QY 121 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 180
 DB 121 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 180
 QY 181 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240
 DB 181 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240
 QY 241 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 300
 DB 241 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 300
 QY 301 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 360
 DB 301 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 360
 QY 361 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 420
 DB 361 GCGGCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 420

QY 742 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 801
 DB 661 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 720
 QY 802 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 861
 DB 721 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 780
 QY 862 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 921
 DB 781 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 841

RESULT 8
 US-09-964-824A-311
 ; Sequence 311, Application US/09964824A
 ; Patent No. US0020102531A1
 ; GENERAL INFORMATION:
 ; INVENTOR: Stephen
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
 ; TITLE OF INVENTION: Sign
 ; FILE REFERENCE: 689200-78, US/09/964,824A
 ; CURRENT FILING DATE: 2001-09-27
 ; PRIOR APPLICATION NUMBER: US/60/236,033
 ; PRIOR APPLICATION NUMBER: US/60/236,033
 ; PRIOR FILING DATE: 2000-09-28
 ; PRIOR APPLICATION NUMBER: US/60/236,028
 ; PRIOR FILING DATE: 2000-09-28
 ; SOFTWARE: Patent in version 3.0
 ; SEQ ID NO 311
 ; LENGTH: 532
 ; ORGANISM: Homo sapiens
 US-09-964-824A-311

Query Match 35.0%; Score 508.4; DB 10; Length 532;

Best Local Similarity 39.4%; Pred. No. 1,86-139;

Matches 531; Conservative 0; Mismatches 1; Indels 2; Gaps 2;

QY 712 AACACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 771
 DB 1 AACACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 60
 QY 772 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 831
 DB 61 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 120
 QY 832 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 891
 DB 63 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 120
 QY 121 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 179
 DB 892 AACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 951
 DB 180 AACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1011
 QY 952 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1011
 DB 240 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1011
 QY 1012 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1071
 DB 300 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1071
 QY 1072 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1131
 DB 360 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1131
 QY 1132 AACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1191
 DB 419 AACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1191

DB 420 AACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 479
 QY 1192 AACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1245
 DB 480 AACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 532

RESULT 9
 US-09-867-701-5534
 ; Sequence 5534, Application US/09867701
 ; Patent No. US0020015237A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Agate, Robert A.
 ; APPLICANT: Jones, Robert
 ; APPLICANT: Harlock, Susan L.
 ; TITLE OF INVENTION: METHODS AND METHODS FOR THE THERAPY
 ; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
 ; FILE REFERENCE: 210121-497
 ; CURRENT APPLICATION NUMBER: US/09/867,701
 ; CURRENT FILING DATE: 2000-09-25
 ; NUMBER OF SEQ ID NOS: 10912
 ; SOFTWARE: PARSED FOR Windows Version 4.0
 ; SEQ ID NO 5534
 ; LENGTH: 532
 ; TYPE: DNA
 ; ORGANISM: Homo sapien
 US-09-867-701-5534

Query Match 35.0%; Score 508.4; DB 10; Length 532;

Best Local Similarity 39.4%; Pred. No. 1,86-139;

Matches 531; Conservative 0; Mismatches 1; Indels 2; Gaps 2;

QY 712 AACACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 771
 DB 1 AACACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 60
 QY 772 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 831
 DB 61 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 120
 QY 832 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 891
 DB 121 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 179
 QY 892 AACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 951
 DB 180 AACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1011
 QY 952 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1011
 DB 240 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1011
 QY 1012 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1071
 DB 300 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1071
 QY 1072 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1131
 DB 360 GGCAGGAGCTTCTCCGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1131
 QY 1132 AACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1191
 DB 420 AACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1191
 QY 1192 AACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 1245
 DB 480 AACAGATATATGCTGAGAGAGCTGAGAGAGCTTCTCTGAGAGAGAGCTTCTGAA 532

RESULT 10

US-09-954-531-611

; Sequence 531, Application US/09954531

; Patent No. US0020103180A1

Db 547 ACTGTCACAGTCCCGGACGAGAGATTTTCCTGACACTCTGCAGTGTGCAGAGATGAAAATC 606
 Oy 667 CTGAGCCCTTAAGATGATGATCTCTTACCTGCGGTGTGTATCCACACAACTATATTTGT 725
 Db 607 TTTCCTGAGAGATGATGATCTCTTACCTGCGGTGTGTATCCACACAACTATATTTGT 666
 Oy 727 GCTGACATGAGACCGGAGCCGAGACCTCTTCCGATGATGATCTGAGAACCCCTCTGTGT 785
 Db 667 GCGAGCAAGACGAGAGCGGTACACATGATGATGATGATGATGATGATGATGATGATGAT 726
 Oy 787 GACGAGACCTCTCAAGGATCTCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 846
 Db 727 GATGAGCTGATGAGGAGGATGATGATGATGATGATGATGATGATGATGATGATGAT 786
 Oy 847 CCGAGCTGTACACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 906
 Db 787 CTGAGCTGTACACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 846
 Oy 907 AACTGATCCAGATCTACGCT 928
 Db 847 AAGGATCTGAGATCTACGCT 868

RESULT 14
 US-09-008-271A-19
 Present No. 6303979

GENERAL INFORMATION:

APPLICANT: Bandman, Olga
 Yee, Henry
 Guegler, Karl J.
 Corley, Neil C.
 Shab, Perry
 TITLE OF INVENTION: HUMAN PROTEASE MOLECULES
 NUMBER OF SEQUENCES: 24
 CORRESPONDENCE ADDRESS:
 STREET: 3174 Porter Dr.
 CITY: Palo Alto
 STATE: CA
 ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: PFS:ISO for Windows Version 2.0
 CURRENT APPLICATION NUMBER: US/09/008 271A
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: <Unknown>

ATTORNEY/ATTORNEY'S FIRM:

NAME: Mohan-Petersen, Shobla
 REGISTRATION NUMBER: 41,201
 TELEPHONE: 650-855-0529
 TELEFAX: 650-855-4166
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 924
 TYPE: Nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

LIBRARY COORDINATES:

CLONE: 1798496
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-008-271A-19

Query Match 10 74; Score 156; DB 3; Length 994;
 Best Local Similarity 54.1%; Pval: No. 5.7e-31;
 Matches 368; Conservative 0; Mismatches 300; Indels 12; Gaps 2;
 Oy 234 GTTCG 293
 Db 268 GTTCG 227
 Oy 294 CG 353
 Db 328 TGGCGGT 387
 Oy 354 ACTGAGCTGAG 413
 Db 388 ATGAG 443
 Oy 414 GAGACATCTGCTGT 473
 Db 444 AATATCTGCTGT 495
 Oy 474 GCGAG 533
 Db 496 GAG 555
 Oy 534 CG 593
 Db 556 CAGATGTAG 615
 Oy 594 TGTCTGCTGAG 653
 Db 616 CTGAGCTGAG 675
 Oy 654 CAGCATCT 713
 Db 676 AAGATGAAATCT 735
 Oy 714 CAGATGAAATCT 773
 Db 736 TGGCATGCTGT 795
 Oy 774 CG 833
 Db 796 CG 855
 Oy 834 CTCTGCG 893
 Db 856 GAGGTCTCAAG 915
 Oy 894 AGTCATAGCT 913
 Db 916 GATGTAGCGAG 935

RESULT 15

US-09-070-526-1
 Sequence 1: Application US/09070526

GENERAL INFORMATION:

APPLICANT: SOUTHAN, CHRISTOPHER
 Yee, Henry
 Guegler, Karl J.
 Corley, Neil C.
 Shab, Perry
 TITLE OF INVENTION: HUMAN PROTEASE MOLECULES
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 STREET: 3174 Porter Dr.
 CITY: Palo Alto
 STATE: CA
 ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

Wed Nov 26 18:23:55 2003

us-10-021-368-2.png

Page 15

Job time : 430 sec

[illegible][illegible]

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Qy      832 |||||
Db      121 |||||
Qy      892 |||||
Db      180 |||||
Qy      952 |||||
Db      240 |||||
Qy      1012 |||||
Db      300 |||||
Qy      1072 |||||
Db      360 |||||
Qy      1132 |||||
Db      420 |||||
Qy      1192 |||||
Db      480 |||||

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Search completed: November 25, 2003, 06:34:41
 Job time : 5451 secs

GenCode version 5.1.6
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OM protein - protein search, using sw model

Run on: November 25, 2003, 08:23:05, Search time 55 seconds

1294,955 Million cell updates/sec

US-10-021-368-1

Sequence: 1 MRPHHSHLSAAGRAALK.....ATTTCCTKSWINWYRSH 276

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 830525 seqs, 258052604 residues

Total number of hits satisfying chosen parameters: 830525

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing filter: 45 summaries

Database :
1: sp.archaea*
2: sp.bacteria*
3: sp.fungi*
4: sp.invertebrate*
5: sp.invertebrate*
6: sp.mammal*
7: sp.mammal*
8: sp.mammal*
9: sp.mammal*
10: sp.plant*
11: sp.plant*
12: sp.plant*
13: sp.unclassified*
14: sp.unclassified*
15: sp.unclassified*
16: sp.unclassified*
17: sp.unclassified*
18: sp.unclassified*
19: sp.unclassified*
20: sp.unclassified*
21: sp.unclassified*
22: sp.unclassified*
23: sp.unclassified*
24: sp.unclassified*
25: sp.unclassified*
26: sp.unclassified*
27: sp.unclassified*
28: sp.unclassified*
29: sp.unclassified*
30: sp.unclassified*
31: sp.unclassified*
32: sp.unclassified*
33: sp.unclassified*
34: sp.unclassified*
35: sp.unclassified*
36: sp.unclassified*
37: sp.unclassified*
38: sp.unclassified*
39: sp.unclassified*
40: sp.unclassified*
41: sp.unclassified*
42: sp.unclassified*
43: sp.unclassified*
44: sp.unclassified*
45: sp.unclassified*

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	552.9	36.4	236	11	Q9W020 mus musculus
2	552.9	36.4	236	11	Q9W020 mus musculus
3	534.4	36.4	260	4	Q81N69 homo sapien
4	534.4	36.4	260	4	Q81N69 homo sapien
5	534.4	36.4	260	4	Q81N69 homo sapien
6	534.4	36.4	260	4	Q81N69 homo sapien
7	506.3	33.8	249	11	Q9W020 mus musculus
8	506.3	33.8	249	11	Q9W020 mus musculus
9	502.3	33.6	250	11	Q81N69 mus musculus
10	499.5	33.4	276	11	Q81N69 mus musculus
11	499.5	33.4	276	11	Q81N69 mus musculus
12	496.3	33.2	246	11	Q9W020 mus musculus
13	490.3	32.8	246	11	Q9W020 mus musculus
14	486.3	32.5	254	11	Q81N69 mus musculus
15	486.3	32.5	254	11	Q81N69 mus musculus
16	483.3	32.3	247	13	Q9W020 mus musculus

Result No.	Score	Match	Length	DB ID	Description
1	552.9	36.4	236	11	Q9W020 mus musculus
2	552.9	36.4	236	11	Q9W020 mus musculus
3	534.4	36.4	260	4	Q81N69 homo sapien
4	534.4	36.4	260	4	Q81N69 homo sapien
5	534.4	36.4	260	4	Q81N69 homo sapien
6	534.4	36.4	260	4	Q81N69 homo sapien
7	506.3	33.8	249	11	Q9W020 mus musculus
8	506.3	33.8	249	11	Q9W020 mus musculus
9	502.3	33.6	250	11	Q81N69 mus musculus
10	499.5	33.4	276	11	Q81N69 mus musculus
11	499.5	33.4	276	11	Q81N69 mus musculus
12	496.3	33.2	246	11	Q9W020 mus musculus
13	490.3	32.8	246	11	Q9W020 mus musculus
14	486.3	32.5	254	11	Q81N69 mus musculus
15	486.3	32.5	254	11	Q81N69 mus musculus
16	483.3	32.3	247	13	Q9W020 mus musculus

ALIGNMENTS

Result No.	Score	Match	Length	DB ID	Description
1	552.9	36.4	236	11	Q9W020 mus musculus
2	552.9	36.4	236	11	Q9W020 mus musculus
3	534.4	36.4	260	4	Q81N69 homo sapien
4	534.4	36.4	260	4	Q81N69 homo sapien
5	534.4	36.4	260	4	Q81N69 homo sapien
6	534.4	36.4	260	4	Q81N69 homo sapien
7	506.3	33.8	249	11	Q9W020 mus musculus
8	506.3	33.8	249	11	Q9W020 mus musculus
9	502.3	33.6	250	11	Q81N69 mus musculus
10	499.5	33.4	276	11	Q81N69 mus musculus
11	499.5	33.4	276	11	Q81N69 mus musculus
12	496.3	33.2	246	11	Q9W020 mus musculus
13	490.3	32.8	246	11	Q9W020 mus musculus
14	486.3	32.5	254	11	Q81N69 mus musculus
15	486.3	32.5	254	11	Q81N69 mus musculus
16	483.3	32.3	247	13	Q9W020 mus musculus

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OR protein - protein search, using sw model

Run on: November 25, 2003, 07:31:39, Search time 17 seconds

763,492 Million call updates/sec

US-10-021-368-1

Sequence: 1 M6APHHLSASGSAALATL.....AVTQICKCNINWVNSN 276

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 127863 seqs, 4706705 residues

Total number of hits satisfying chosen parameters: 127863

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0

Maximum Match 1008

Listing first 45 summaries

Database: SwissProt_41.1

Fred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1486	100.0	276	1 KXKA_HUMAN	Q03430 homo sapien
2	549	36.7	253	1 KXKA_HUMAN	P29862 homo sapien
3	549	36.7	253	1 KXKA_HUMAN	O60259 homo sapien
4	547	36.6	260	1 KXKA_HUMAN	G02972 homo sapien
5	530	34.8	256	1 KXKA_HUMAN	P06872 canis fami
6	506	33.8	247	1 TRYZ_CANFA	Q29463 bos taurin
7	505.5	33.8	247	1 TRYZ_BOVIN	G03463 homo sapien
8	503.5	33.7	250	1 KXKA_HUMAN	O08160 ratu
9	499.5	33.4	251	1 KXKA_HUMAN	G03463 homo sapien
10	499.5	33.4	251	1 KXKA_HUMAN	O08160 ratu
11	499.5	33.4	251	1 KXKA_HUMAN	O08160 ratu
12	499.5	33.4	251	1 KXKA_HUMAN	O08160 ratu
13	499.5	33.4	251	1 KXKA_HUMAN	O08160 ratu
14	494	33.0	246	1 TRYZ_MOUSE	P07146 mus muscu
15	488.5	32.7	246	1 TRYZ_RAT	G03463 homo sapien
16	488.5	32.7	246	1 TRYZ_RAT	G03463 homo sapien
17	488.5	32.7	246	1 TRYZ_RAT	G03463 homo sapien
18	488.5	32.7	246	1 TRYZ_RAT	G03463 homo sapien
19	488.5	32.7	246	1 TRYZ_RAT	G03463 homo sapien
20	482	32.3	231	1 TRYZ_PIG	P00765 ratu
21	482	32.3	231	1 TRYZ_PIG	P00765 ratu
22	482	32.3	231	1 TRYZ_PIG	P00765 ratu
23	482	32.3	231	1 TRYZ_PIG	P00765 ratu
24	482	32.3	231	1 TRYZ_PIG	P00765 ratu
25	482	32.3	231	1 TRYZ_PIG	P00765 ratu
26	482	32.3	231	1 TRYZ_PIG	P00765 ratu
27	482	32.3	231	1 TRYZ_PIG	P00765 ratu
28	482	32.3	231	1 TRYZ_PIG	P00765 ratu
29	482	32.3	231	1 TRYZ_PIG	P00765 ratu
30	482	32.3	231	1 TRYZ_PIG	P00765 ratu
31	482	32.3	231	1 TRYZ_PIG	P00765 ratu
32	482	32.3	231	1 TRYZ_PIG	P00765 ratu
33	482	32.3	231	1 TRYZ_PIG	P00765 ratu

ALIGNMENTS

1	100.0	276	1 KXKA_HUMAN	Q03430	homo sapien
2	549	36.7	253	1 KXKA_HUMAN	P29862
3	549	36.7	253	1 KXKA_HUMAN	O60259
4	547	36.6	260	1 KXKA_HUMAN	G02972
5	530	34.8	256	1 KXKA_HUMAN	P06872
6	506	33.8	247	1 TRYZ_CANFA	Q29463
7	505.5	33.8	247	1 TRYZ_BOVIN	G03463
8	503.5	33.7	250	1 KXKA_HUMAN	O08160
9	499.5	33.4	251	1 KXKA_HUMAN	G03463
10	499.5	33.4	251	1 KXKA_HUMAN	O08160
11	499.5	33.4	251	1 KXKA_HUMAN	O08160
12	499.5	33.4	251	1 KXKA_HUMAN	O08160
13	499.5	33.4	251	1 KXKA_HUMAN	O08160
14	494	33.0	246	1 TRYZ_MOUSE	P07146
15	488.5	32.7	246	1 TRYZ_RAT	G03463
16	488.5	32.7	246	1 TRYZ_RAT	G03463
17	488.5	32.7	246	1 TRYZ_RAT	G03463
18	488.5	32.7	246	1 TRYZ_RAT	G03463
19	488.5	32.7	246	1 TRYZ_RAT	G03463
20	482	32.3	231	1 TRYZ_PIG	P00765
21	482	32.3	231	1 TRYZ_PIG	P00765
22	482	32.3	231	1 TRYZ_PIG	P00765
23	482	32.3	231	1 TRYZ_PIG	P00765
24	482	32.3	231	1 TRYZ_PIG	P00765
25	482	32.3	231	1 TRYZ_PIG	P00765
26	482	32.3	231	1 TRYZ_PIG	P00765
27	482	32.3	231	1 TRYZ_PIG	P00765
28	482	32.3	231	1 TRYZ_PIG	P00765
29	482	32.3	231	1 TRYZ_PIG	P00765
30	482	32.3	231	1 TRYZ_PIG	P00765
31	482	32.3	231	1 TRYZ_PIG	P00765
32	482	32.3	231	1 TRYZ_PIG	P00765
33	482	32.3	231	1 TRYZ_PIG	P00765

DB	245	ICRYLDMIKIJS	256
RESULT 5			
ID	KLKF_HUMAN	STANDARD	PRT; 256 AA.
KLKF_HUMAN			
Q9H2E5; Q15358; Q9H2K3; Q9H2K4; Q9H2K6; Q9H9G9;			

[illegible][illegible]

15-JUL-1999 (Rel. 38, Created)
15-JUL-1999 (Rel. 38, Last sequence update)
28-FEB-2003 (Rel. 41, New annotation update)
Neuropilin precursor (EC 3.4.21.-) (NP) (Kalikrein 8) (Brazin serine protease 1).
KLRK OR PRSS39 OR NRP1 OR BSP1.

[illegible]

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ON protein - protein search, using sw model

Run on: November 25, 2003, 08:58:10 / Search time 27 seconds

989,058 Million cell updates/sec

US-10-021-368-1

Sequence: 1 MAFPHLHLSASALALV.....AVTQCINSMINIVATSN 276

Scoring table: BLOSUM62 Gapop 10.0 , Gapext 0.5

Searched: 283308 seqs, 96158627 residues

Total number of hits satisfying chosen parameters: 283308

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: 1: p1r76.*

2: p1r76.*

3: p1r76.*

4: p1r76.*

5: p1r76.*

6: p1r76.*

7: p1r76.*

8: p1r76.*

9: p1r76.*

10: p1r76.*

11: p1r76.*

12: p1r76.*

13: p1r76.*

14: p1r76.*

15: p1r76.*

16: p1r76.*

17: p1r76.*

18: p1r76.*

19: p1r76.*

20: p1r76.*

21: p1r76.*

22: p1r76.*

Result No. Score Match length DB ID Description

EDWARDS

Description

serine proteinase

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

trypsin (EC 3.4.21)

Result 1 A53968 serine proteinase SCCE precursor - human

Nucleotide name: serine proteinase chymotryptic enzyme

C-Date: 07-Jul-1995 Sequence revision 07-Jul-1995 Extent change 22-Jul-1999

C-Accession: A53968

R.H. Johnson, L. J. Strydom, J. M. Saeedman, A. J. Wallbrink, P. J. Carls, A. J. Eggelrud,

A. J. Eggelrud, J. M. Saeedman, A. J. Wallbrink, P. J. Carls, A. J. Eggelrud,

A. J. Eggelrud, J. M. Saeedman, A. J. Wallbrink, P. J. Carls, A. J. Eggelrud,

A. J. Eggelrud, J. M. Saeedman, A. J. Wallbrink, P. J. Carls, A. J. Eggelrud,

A. J. Eggelrud, J. M. Saeedman, A. J. Wallbrink, P. J. Carls, A. J. Eggelrud,

A. J. Eggelrud, J. M. Saeedman, A. J. Wallbrink, P. J. Carls, A. J. Eggelrud,

A. J. Eggelrud, J. M. Saeedman, A. J. Wallbrink, P. J. Carls, A. J. Eggelrud,

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A. J. Eggelrud, J. M. Saeedman, A. J. Wallbrink, P. J. Carls, A. J. Eggelrud,

A. J. Eggelrud, J. M. Saeedman, A. J. Wallbrink, P. J. Carls, A. J. Eggelrud,

A. J. Eggelrud, J. M. Saeedman, A. J. Wallbrink, P. J. Carls, A. J. Eggelrud,

Search completed: November 25, 2003, 09:09:13
Job time : 28 secs

Db 121 YHOSGSPILPRTRDHDMLLKLKAPVPPGPRVALQCPHCGQPCQCGQAGCTTAA 180
 QY 181 RYKXNGGLTCSITLSPRECEVYPPGVYNNMTCGLGRQDPQCSBGGPVCDETQ 240
 Db 181 RYKXNGGLTCSITLSPRECEVYPPGVYNNMTCGLGRQDPQCSBGGPVCDETQ 240
 QY 241 GILSNQVYPCSGAQRPVYTOICIKXNSMINKYKIN 276
 Db 241 GILSNQVYPCSGAQRPVYTOICIKXNSMINKYKIN 276

RESULT 3

US-10-301-822-95
 / Sequence 95 Application US/10301822
 / Publication No. US2003018410A1
 / GENERAL INFORMATION: Lum Pharmaceuticals, Inc.
 / APPLICANT: Barger, Allison
 / APPLICANT: Gullmeate, Tracy L.
 / APPLICANT: Kasekar, Subhangni
 / APPLICANT: Kilegall, Robert
 / APPLICANT: Mendenhall, Stephen
 / APPLICANT: Thibodeau, Stephen N.
 / TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS AND
 / TITLE OF INVENTION: THERAPY OF COLON CANCER
 / CURRENT APPLICATION NUMBER: US/10/301,822
 / PRIOR FILING DATE: 2002-05-13
 / PRIOR APPLICATION NUMBER: US 60/339,971
 / PRIOR FILING DATE: 2001-12-10
 / PRIOR APPLICATION NUMBER: US 60/381,988
 / PRIOR FILING DATE: 2002-05-20
 / NUMBER OF SEQ ID NOS: 228
 / SEQ ID NO 95
 / DESCRIPTION: Enclosed for Windows Version 4.0
 / LENGTH: 276
 / TYPE: PRT Homo Sapiens
 / ORIGIN: US-10-301-822-95

Query Match 100.0% Score 1496, DB 12; Length 276;
 Desc Local Similarity 100.0% Pct. No.5 7e-141;
 Matches 276; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MWAHPLHLSAASQALAAALPLPMQMAAALALPQNTRLDPEAYGAPCGSGQPQ 60
 Db 1 MWAHPLHLSAASQALAAALPLPMQMAAALALPQNTRLDPEAYGAPCGSGQPQ 60
 QY 61 VSLPQLSPHCACVYVDSQWYTLAAICQKPLPAKRDHDHLLQSGQARTTTSVHP 120
 Db 61 VSLPQLSPHCACVYVDSQWYTLAAICQKPLPAKRDHDHLLQSGQARTTTSVHP 120
 QY 121 YHOSGSPILPRTRDHDMLLKLKAPVPPGPRVALQCPHCGQPCQCGQAGCTTAA 180
 Db 121 YHOSGSPILPRTRDHDMLLKLKAPVPPGPRVALQCPHCGQPCQCGQAGCTTAA 180
 QY 181 RYKXNGGLTCSITLSPRECEVYPPGVYNNMTCGLGRQDPQCSBGGPVCDETQ 240
 Db 181 RYKXNGGLTCSITLSPRECEVYPPGVYNNMTCGLGRQDPQCSBGGPVCDETQ 240
 QY 241 GILSNQVYPCSGAQRPVYTOICIKXNSMINKYKIN 276
 Db 241 GILSNQVYPCSGAQRPVYTOICIKXNSMINKYKIN 276

RESULT 3
 US-10-366-288-52
 / Sequence 52, Application US/10366288

/ Publication No. US2003026288A1
 / GENERAL INFORMATION: Douglas
 / APPLICANT: Powell, Douglas
 / TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
 / TITLE OF INVENTION: 1414, 1491, 1553,
 / TITLE OF INVENTION: 1402, 1720, 1683, 1552, 1482, 1675, 1485, 9952, 9816,
 / TITLE OF INVENTION: 10002, 1611, 1371, 14324, 126, 270, 312, 167, 326, 18926,
 / TITLE OF INVENTION: 6747, 1793, 1794 OR 2045 MOLECULES
 / CURRENT APPLICATION NUMBER: US/10/366,288
 / PRIOR FILING DATE: 2003-02-13
 / PRIOR APPLICATION NUMBER: 60/357,391
 / PRIOR FILING DATE: 2002-07-15
 / PRIOR APPLICATION NUMBER: 60/380,249
 / PRIOR FILING DATE: 2002-05-13
 / PRIOR APPLICATION NUMBER: 60/391,306
 / PRIOR FILING DATE: 2002-06-25
 / PRIOR APPLICATION NUMBER: 60/412,007
 / PRIOR FILING DATE: 2002-08-27
 / PRIOR APPLICATION NUMBER: 60/417,508
 / PRIOR FILING DATE: 2002-10-01
 / PRIOR APPLICATION NUMBER: 60/432,318
 / PRIOR FILING DATE: 2002-12-10
 / NUMBER OF SEQ ID NOS: 52
 / SEQ ID NO 52
 / DESCRIPTION: Enclosed for Windows Version 4.0
 / LENGTH: 276
 / TYPE: PRT Homo Sapien
 / ORIGIN: US-10-366-288-52

Query Match 100.0% Score 1496, DB 12; Length 276;
 Desc Local Similarity 100.0% Pct. No.5 7e-141;
 Matches 276; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MWAHPLHLSAASQALAAALPLPMQMAAALALPQNTRLDPEAYGAPCGSGQPQ 60
 Db 1 MWAHPLHLSAASQALAAALPLPMQMAAALALPQNTRLDPEAYGAPCGSGQPQ 60
 QY 61 VSLPQLSPHCACVYVDSQWYTLAAICQKPLPAKRDHDHLLQSGQARTTTSVHP 120
 Db 61 VSLPQLSPHCACVYVDSQWYTLAAICQKPLPAKRDHDHLLQSGQARTTTSVHP 120
 QY 121 YHOSGSPILPRTRDHDMLLKLKAPVPPGPRVALQCPHCGQPCQCGQAGCTTAA 180
 Db 121 YHOSGSPILPRTRDHDMLLKLKAPVPPGPRVALQCPHCGQPCQCGQAGCTTAA 180
 QY 181 RYKXNGGLTCSITLSPRECEVYPPGVYNNMTCGLGRQDPQCSBGGPVCDETQ 240
 Db 181 RYKXNGGLTCSITLSPRECEVYPPGVYNNMTCGLGRQDPQCSBGGPVCDETQ 240
 QY 241 GILSNQVYPCSGAQRPVYTOICIKXNSMINKYKIN 276
 Db 241 GILSNQVYPCSGAQRPVYTOICIKXNSMINKYKIN 276

RESULT 4
 US-10-021-368-1
 / Sequence 1 Application US/10021368
 / Publication No. US2002010567A1
 / GENERAL INFORMATION:
 / APPLICANT: Baird, Vivia
 / TITLE OF INVENTION: KOLICUTS AND METHODS
 / NUMBER OF SEQUENCES: 11
 / CORRESPONDENCE ADDRESS:
 / ADDRESSES: Fish & Richardson P. C.
 / CITY: Boston
 / STATE: MA

1 PRIOR FILING DATE: 1998-09-09
2 PRIOR APPLICATION NUMBER: 60/099598
3 PRIOR FILING DATE: 1998-09-09
4 PRIOR APPLICATION NUMBER: 60/099602
5 PRIOR FILING DATE: 1998-09-09
6 PRIOR APPLICATION NUMBER: 60/099612
7 PRIOR FILING DATE: 1998-09-09
8 PRIOR APPLICATION NUMBER: 60/099741
9 PRIOR FILING DATE: 1998-09-09
10 PRIOR APPLICATION NUMBER: 60/099754
11 PRIOR FILING DATE: 1998-09-10
12 PRIOR APPLICATION NUMBER: 60/099763
13 PRIOR FILING DATE: 1998-09-10
14 PRIOR APPLICATION NUMBER: 60/099792
15 PRIOR FILING DATE: 1998-09-10
16 PRIOR APPLICATION NUMBER: 60/099808
17 PRIOR FILING DATE: 1998-09-10
18 PRIOR APPLICATION NUMBER: 60/099812
19 PRIOR FILING DATE: 1998-09-10
20 PRIOR APPLICATION NUMBER: 60/099815
21 PRIOR FILING DATE: 1998-09-10
22 PRIOR APPLICATION NUMBER: 60/099816
23 PRIOR FILING DATE: 1998-09-10
24 PRIOR APPLICATION NUMBER: 60/100385
25 PRIOR FILING DATE: 1998-09-15
26 PRIOR APPLICATION NUMBER: 60/100388
27 PRIOR FILING DATE: 1998-09-15
28 PRIOR APPLICATION NUMBER: 60/100390
29 PRIOR FILING DATE: 1998-09-15
30 PRIOR APPLICATION NUMBER: 60/100584
31 PRIOR FILING DATE: 1998-09-16
32 PRIOR APPLICATION NUMBER: 60/100627
33 PRIOR FILING DATE: 1998-09-16
34 PRIOR APPLICATION NUMBER: 60/100651
35 PRIOR FILING DATE: 1998-09-16
36 PRIOR APPLICATION NUMBER: 60/100662
37 PRIOR FILING DATE: 1998-09-16
38 PRIOR APPLICATION NUMBER: 60/100664
39 PRIOR FILING DATE: 1998-09-16
40 PRIOR APPLICATION NUMBER: 60/100683
41 PRIOR FILING DATE: 1998-09-17
42 PRIOR APPLICATION NUMBER: 60/100684
43 PRIOR FILING DATE: 1998-09-17
44 PRIOR APPLICATION NUMBER: 60/100710
45 PRIOR FILING DATE: 1998-09-17
46 PRIOR APPLICATION NUMBER: 60/100711
47 PRIOR FILING DATE: 1998-09-17
48 PRIOR APPLICATION NUMBER: 60/100848
49 PRIOR FILING DATE: 1998-09-18
50 PRIOR APPLICATION NUMBER: 60/100849
51 PRIOR FILING DATE: 1998-09-18
52 PRIOR APPLICATION NUMBER: 60/100919
53 PRIOR FILING DATE: 1998-09-17
54 PRIOR APPLICATION NUMBER: 60/100930
55 PRIOR FILING DATE: 1998-09-18
56 PRIOR APPLICATION NUMBER: 60/101014
57 PRIOR FILING DATE: 1998-09-18
58 PRIOR APPLICATION NUMBER: 60/101014
59 PRIOR FILING DATE: 1998-09-18
60 PRIOR APPLICATION NUMBER: 60/101068
61 PRIOR FILING DATE: 1998-09-18
62 PRIOR APPLICATION NUMBER: 60/101071
63 PRIOR FILING DATE: 1998-09-18
64 PRIOR APPLICATION NUMBER: 60/101279
65 PRIOR FILING DATE: 1998-09-18
66 PRIOR APPLICATION NUMBER: 60/101471
67 PRIOR FILING DATE: 1998-09-23
68 PRIOR APPLICATION NUMBER: 60/101472
69 PRIOR FILING DATE: 1998-09-23
70 PRIOR APPLICATION NUMBER: 60/101474
71 PRIOR FILING DATE: 1998-09-23
72 PRIOR APPLICATION NUMBER: 60/101475
73 PRIOR FILING DATE: 1998-09-23
74 PRIOR APPLICATION NUMBER: 60/101476
75 PRIOR FILING DATE: 1998-09-23
76 PRIOR APPLICATION NUMBER: 60/101476
77 PRIOR FILING DATE: 1998-09-23
78 PRIOR APPLICATION NUMBER: 60/101477
79 PRIOR FILING DATE: 1998-09-23
80 PRIOR APPLICATION NUMBER: 60/101478
81 PRIOR FILING DATE: 1998-09-23
82 PRIOR APPLICATION NUMBER: 60/101479
83 PRIOR FILING DATE: 1998-09-23
84 PRIOR APPLICATION NUMBER: 60/101768
85 PRIOR FILING DATE: 1998-09-24
86 PRIOR APPLICATION NUMBER: 60/101741
87 PRIOR FILING DATE: 1998-09-24
88 PRIOR APPLICATION NUMBER: 60/101743
89 PRIOR FILING DATE: 1998-09-24
90 PRIOR APPLICATION NUMBER: 60/101915
91 PRIOR FILING DATE: 1998-09-24
92 PRIOR APPLICATION NUMBER: 60/102207
93 PRIOR FILING DATE: 1998-09-23
94 PRIOR APPLICATION NUMBER: 60/102240
95 PRIOR FILING DATE: 1998-09-23
96 PRIOR APPLICATION NUMBER: 60/102307
97 PRIOR FILING DATE: 1998-09-23
98 PRIOR APPLICATION NUMBER: 60/102310
99 PRIOR FILING DATE: 1998-09-23
100 PRIOR APPLICATION NUMBER: 60/102321
101 PRIOR FILING DATE: 1998-09-23
102 PRIOR APPLICATION NUMBER: 60/102444
103 PRIOR FILING DATE: 1998-09-30
104 PRIOR APPLICATION NUMBER: 60/102570
105 PRIOR FILING DATE: 1998-09-30
106 PRIOR APPLICATION NUMBER: 60/102571
107 PRIOR FILING DATE: 1998-09-30
108 PRIOR APPLICATION NUMBER: 60/102684
109 PRIOR FILING DATE: 1998-10-01
110 PRIOR APPLICATION NUMBER: 60/102687
111 PRIOR FILING DATE: 1998-10-01
112 PRIOR APPLICATION NUMBER: 60/102945
113 PRIOR FILING DATE: 1998-10-06
114 PRIOR APPLICATION NUMBER: 60/103238
115 PRIOR FILING DATE: 1998-10-06
116 PRIOR APPLICATION NUMBER: 60/103314
117 PRIOR FILING DATE: 1998-10-07
118 PRIOR APPLICATION NUMBER: 60/103315
119 PRIOR FILING DATE: 1998-10-07
120 PRIOR APPLICATION NUMBER: 60/103328
121 PRIOR FILING DATE: 1998-10-07
122 PRIOR APPLICATION NUMBER: 60/103355
123 PRIOR FILING DATE: 1998-10-07
124 PRIOR APPLICATION NUMBER: 60/103396
125 PRIOR FILING DATE: 1998-10-07
126 PRIOR APPLICATION NUMBER: 60/103401
127 PRIOR FILING DATE: 1998-10-07
128 PRIOR APPLICATION NUMBER: 60/103449
129 PRIOR FILING DATE: 1998-10-06
130 PRIOR APPLICATION NUMBER: 60/103633
131 PRIOR FILING DATE: 1998-10-06
132 PRIOR APPLICATION NUMBER: 60/103678
133 PRIOR FILING DATE: 1998-10-06
134 PRIOR APPLICATION NUMBER: 60/103679
135 PRIOR FILING DATE: 1998-10-11
136 PRIOR APPLICATION NUMBER: 60/103711
137 PRIOR FILING DATE: 1998-10-08
138 PRIOR APPLICATION NUMBER: 60/104257
139 PRIOR FILING DATE: 1998-10-11
140 PRIOR APPLICATION NUMBER: 60/104987
141 PRIOR FILING DATE: 1998-10-20
142 PRIOR APPLICATION NUMBER: 60/105000
143 PRIOR FILING DATE: 1998-10-20
144 PRIOR APPLICATION NUMBER: 60/105002
145 PRIOR FILING DATE: 1998-10-20
146 PRIOR APPLICATION NUMBER: 60/105104
147 PRIOR FILING DATE: 1998-10-22
148 PRIOR APPLICATION NUMBER: 60/105169

PRIOR FILING DATE: 1998-10-22
 PRIOR APPLICATION NUMBER: 60/105266
 PRIOR FILING DATE: 1998-10-22
 PRIOR APPLICATION NUMBER: 60/105693
 PRIOR FILING DATE: 1998-10-26
 PRIOR APPLICATION NUMBER: 60/105694
 PRIOR FILING DATE: 1998-10-26
 PRIOR APPLICATION NUMBER: 60/105807
 PRIOR FILING DATE: 1998-10-27
 PRIOR APPLICATION NUMBER: 60/105881
 PRIOR FILING DATE: 1998-10-27
 PRIOR APPLICATION NUMBER: 60/105882
 PRIOR FILING DATE: 1998-10-27
 PRIOR APPLICATION NUMBER: 60/106023
 PRIOR FILING DATE: 1998-10-28

Query Match 37.7% Score 564; DB 12; Length 248;

Best Local Similarity 45.9%; Freq. No. 4, 8e-48;

Matches 118; Conservative 29; Mismatches 92; Indels 18; Gaps 5;

23 LHMMAHMAEALLRQMDITLPEAY-GAPCAAGQGWGVLFPNG-SFHCAGVYQGSYV 81
 7 LILCVGLSDA-----TFKINOTGCONNOVQGLRGTSLRACVILIRNAY 57
 82 LTPAHGCMFAMRVGDIHLLLO-DEQLARTTSVHFKHSGSGLTPRTREHML 140
 58 LHMAGSGSRVWVLDSHLSQLDMTGTIRHSGSVTHRTGZAS-----TSHHDL 111
 141 LKLAEPVTPRPAQLPFCPCAGPQDCOVAGMGTAPLAFVWIKMLTCSIITLSPEK 200
 112 LRLALPVATSVQELPLPNDCAINOTCHVSGMGTINFPNFPDLCLNLSVSHAT 171
 201 CEVPEGVYTNMNIQGLDGDQDCOSGSGPLVCDITLQGLISNG-VYPCGSAQHPAY 259
 172 CHGVYKRTSNMVCAGVPCDQACQDSGPLVCGVGLQVLSVMSGVPCQGGDILPEY 231
 260 TOICKKSMIMINMNN 276
 232 TYICKVIMIMINMNN 248

RESULT 11

US-10-015-392A-194

Sequence 194, Application US/1001392A

GENERAL INFORMATION: US/1001392A

APPLICANT: Baker, Kevin P.
 APPLICANT: Botsch, David
 APPLICANT: Botsch, David
 APPLICANT: Raton, Dan L.
 APPLICANT: Ferrera, Napoleone
 APPLICANT: Fong, Sherman
 APPLICANT: Goddard, Audrey
 APPLICANT: Goddard, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gutney, Austin L.
 APPLICANT: Gutney, Austin L.
 APPLICANT: Pan, James
 APPLICANT: Pan, Nicholas F.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 FILE REFERENCE: P28301C8
 CURRENT APPLICATION NUMBER: US/10/015,392A
 CURRENT FILING DATE: 2001-12-13
 FILE REFERENCE: P28301C8
 PRIOR FILING DATE: 1998-09-01
 PRIOR APPLICATION NUMBER: 60/098723
 PRIOR FILING DATE: 1998-09-01
 PRIOR APPLICATION NUMBER: 60/098723
 PRIOR FILING DATE: 1998-09-01
 PRIOR APPLICATION NUMBER: 60/098723
 PRIOR FILING DATE: 1998-09-01
 PRIOR APPLICATION NUMBER: 60/098723

PRIOR APPLICATION NUMBER: 60/098803
 PRIOR FILING DATE: 1998-09-02
 PRIOR APPLICATION NUMBER: 60/098821
 PRIOR FILING DATE: 1998-09-02
 PRIOR APPLICATION NUMBER: 60/098843
 PRIOR FILING DATE: 1998-09-02
 PRIOR APPLICATION NUMBER: 60/099236
 PRIOR FILING DATE: 1998-09-02
 PRIOR APPLICATION NUMBER: 60/099296
 PRIOR FILING DATE: 1998-09-02
 PRIOR APPLICATION NUMBER: 60/099298
 PRIOR FILING DATE: 1998-09-02
 Remaining prior Application data removed - See File Wrapper or PALK.
 SEQ ID NO: 360 ID NOS: 477
 LENGTH: 248
 TYPE: PRT
 ORGANISM: Homo sapiens

Query Match 37.7% Score 564; DB 12; Length 248;

Best Local Similarity 45.9%; Freq. No. 4, 8e-48;

Matches 118; Conservative 29; Mismatches 92; Indels 18; Gaps 5;

23 LHMMAHMAEALLRQMDITLPEAY-GAPCAAGQGWGVLFPNG-SFHCAGVYQGSYV 81
 7 LILCVGLSDA-----TFKINOTGCONNOVQGLRGTSLRACVILIRNAY 57
 82 LTPAHGCMFAMRVGDIHLLLO-DEQLARTTSVHFKHSGSGLTPRTREHML 140
 58 LHMAGSGSRVWVLDSHLSQLDMTGTIRHSGSVTHRTGZAS-----TSHHDL 111
 141 LKLAEPVTPRPAQLPFCPCAGPQDCOVAGMGTAPLAFVWIKMLTCSIITLSPEK 200
 112 LRLALPVATSVQELPLPNDCAINOTCHVSGMGTINFPNFPDLCLNLSVSHAT 171
 201 CEVPEGVYTNMNIQGLDGDQDCOSGSGPLVCDITLQGLISNG-VYPCGSAQHPAY 259
 172 CHGVYKRTSNMVCAGVPCDQACQDSGPLVCGVGLQVLSVMSGVPCQGGDILPEY 231
 260 TOICKKSMIMINMNN 276
 232 TYICKVIMIMINMNN 248

RESULT 12

US-10-017-283A-194

Sequence 194, Application US/1001723A

GENERAL INFORMATION: US/1001723A

APPLICANT: Baker, Kevin P.
 APPLICANT: Botsch, David
 APPLICANT: Botsch, David
 APPLICANT: Raton, Dan L.
 APPLICANT: Ferrera, Napoleone
 APPLICANT: Fong, Sherman
 APPLICANT: Goddard, Audrey
 APPLICANT: Goddard, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gutney, Austin L.
 APPLICANT: Gutney, Austin L.
 APPLICANT: Pan, James
 APPLICANT: Pan, Nicholas F.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 FILE REFERENCE: P28301C8
 CURRENT APPLICATION NUMBER: US/10/017,253A
 CURRENT FILING DATE: 2001-12-13
 FILE REFERENCE: P28301C8
 PRIOR FILING DATE: 1998-09-01
 PRIOR APPLICATION NUMBER: 60/098723
 PRIOR FILING DATE: 1998-09-01
 PRIOR APPLICATION NUMBER: 60/098723

Genbank version 5.1.6
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OM protein - protein search, using sw model

Run on: November 25, 2003, 09:06:20 / Search time 22 Seconds

(Without alignments) 530.809 Million col1 updates/sec

Title: US-10-021-368-1

RefSeq: 1 M6APHLHNSASGABALAL.....AVYTOIKWMSHYNYRAN 276

Sequence: BLOSUM62

Scoring table: GAPOP 10.0 , GAPCOP 0.5

Searched: 328917 seqs, 4231055 residues

Total number of hits satisfying chosen parameters: 328917

Millium DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Millium Match 0%

Maximum Match 100%

Listing files 43 summaries

Database :
1: /csm2/6/prodata/2/aa/5A/COMB.pep;
2: /csm2/6/prodata/2/aa/5B/COMB.pep;
3: /csm2/6/prodata/2/aa/6A/COMB.pep;
4: /csm2/6/prodata/2/aa/6B/COMB.pep;
5: /csm2/6/prodata/2/aa/6C/COMB.pep;
6: /csm2/6/prodata/2/aa/6D/COMB.pep;

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match Length	ID	Description
1	1466	100.0	276	US-08-667-155A-1
2	1466	100.0	276	US-08-628-138-1
3	1436	100.0	276	US-09-201-038-1
4	1436	100.0	276	US-08-627-155A-1
5	1438.5	96.2	291	US-08-628-138-1
6	1438.5	96.2	291	US-09-201-038-1
7	1438.5	96.2	291	US-08-627-155A-1
8	1438.5	96.2	291	US-08-628-138-1
9	1438.5	96.2	291	US-08-627-155A-1
10	549	36.7	253	US-08-824-874-3
11	549	36.7	253	US-09-154-34-2
12	549	36.7	253	US-08-330-188-2
13	549	36.7	253	US-08-330-188-2
14	549	36.7	253	US-08-330-188-2
15	549	36.7	253	US-08-330-188-2
16	549	36.7	253	US-08-330-188-2
17	549	36.7	253	US-08-330-188-2
18	549	36.7	253	US-08-330-188-2
19	549	36.7	253	US-08-330-188-2
20	549	36.7	253	US-08-330-188-2
21	549	36.7	253	US-08-330-188-2
22	549	36.7	253	US-08-330-188-2
23	549	36.7	253	US-08-330-188-2
24	549	36.7	253	US-08-330-188-2
25	549	36.7	253	US-08-330-188-2
26	549	36.7	253	US-08-330-188-2
27	549	36.7	253	US-08-330-188-2

Result No.	Score	Match Length	ID	Description
1	1466	100.0	276	US-08-667-155A-1
2	1466	100.0	276	US-08-628-138-1
3	1436	100.0	276	US-09-201-038-1
4	1436	100.0	276	US-08-627-155A-1
5	1438.5	96.2	291	US-08-628-138-1
6	1438.5	96.2	291	US-09-201-038-1
7	1438.5	96.2	291	US-08-627-155A-1
8	1438.5	96.2	291	US-08-628-138-1
9	1438.5	96.2	291	US-08-627-155A-1
10	549	36.7	253	US-08-824-874-3
11	549	36.7	253	US-09-154-34-2
12	549	36.7	253	US-08-330-188-2
13	549	36.7	253	US-08-330-188-2
14	549	36.7	253	US-08-330-188-2
15	549	36.7	253	US-08-330-188-2
16	549	36.7	253	US-08-330-188-2
17	549	36.7	253	US-08-330-188-2
18	549	36.7	253	US-08-330-188-2
19	549	36.7	253	US-08-330-188-2
20	549	36.7	253	US-08-330-188-2
21	549	36.7	253	US-08-330-188-2
22	549	36.7	253	US-08-330-188-2
23	549	36.7	253	US-08-330-188-2
24	549	36.7	253	US-08-330-188-2
25	549	36.7	253	US-08-330-188-2
26	549	36.7	253	US-08-330-188-2
27	549	36.7	253	US-08-330-188-2

ALIGNMENTS

Result No.	Score	Match Length	ID	Description
1	1466	100.0	276	US-08-667-155A-1
2	1466	100.0	276	US-08-628-138-1
3	1436	100.0	276	US-09-201-038-1
4	1436	100.0	276	US-08-627-155A-1
5	1438.5	96.2	291	US-08-628-138-1
6	1438.5	96.2	291	US-09-201-038-1
7	1438.5	96.2	291	US-08-627-155A-1
8	1438.5	96.2	291	US-08-628-138-1
9	1438.5	96.2	291	US-08-627-155A-1
10	549	36.7	253	US-08-824-874-3
11	549	36.7	253	US-09-154-34-2
12	549	36.7	253	US-08-330-188-2
13	549	36.7	253	US-08-330-188-2
14	549	36.7	253	US-08-330-188-2
15	549	36.7	253	US-08-330-188-2
16	549	36.7	253	US-08-330-188-2
17	549	36.7	253	US-08-330-188-2
18	549	36.7	253	US-08-330-188-2
19	549	36.7	253	US-08-330-188-2
20	549	36.7	253	US-08-330-188-2
21	549	36.7	253	US-08-330-188-2
22	549	36.7	253	US-08-330-188-2
23	549	36.7	253	US-08-330-188-2
24	549	36.7	253	US-08-330-188-2
25	549	36.7	253	US-08-330-188-2
26	549	36.7	253	US-08-330-188-2
27	549	36.7	253	US-08-330-188-2

61 VSLPNSGSHQAGLVDSQSVVLDAKCNKCPVLAARVDDHLLLOOSQJARTTSVYHKK 120
 61 VSLPNSGSHQAGLVDSQSVVLDAKCNKCPVLAARVDDHLLLOOSQJARTTSVYHKK 180
 121 YHQSOGPLRRTDDEHDMKLKAPVPGVGVRAQLQPRCAQDQOCQVAGCTTAAK 180
 121 YHQSOGPLRRTDDEHDMKLKAPVPGVGVRAQLQPRCAQDQOCQVAGCTTAAK 180
 121 YHQSOGPLRRTDDEHDMKLKAPVPGVGVRAQLQPRCAQDQOCQVAGCTTAAK 180
 181 RYVYNGKLTCSSTITLSPFEEVFPVGVYNNMTCAGLMDGQPCQSGSGPVCDYETIQ 240
 181 RYVYNGKLTCSSTITLSPFEEVFPVGVYNNMTCAGLMDGQPCQSGSGPVCDYETIQ 240
 181 RYVYNGKLTCSSTITLSPFEEVFPVGVYNNMTCAGLMDGQPCQSGSGPVCDYETIQ 240
 241 GILSNQVPCSGAHGPAVYVTOICXVMSYINRVSN 276
 241 GILSNQVPCSGAHGPAVYVTOICXVMSYINRVSN 276
 241 GILSNQVPCSGAHGPAVYVTOICXVMSYINRVSN 276

RESULT 2
 US-08-628-198-1
 Sequence 1, Application US/06628198

Patent No. 583694
 GENERAL INFORMATION:
 APPLICANT: Band, Viala
 TITLE OF INVENTION: WNS-1 POLYPEPTIDES, DNA, AND RELATED
 MOLECULES AND METHODS
 NUMBER OF SOURCES: 11
 CORRESPONDENCE ADDRESS:
 STREET: 225 Franklin Street
 CITY: Boston
 STATE: MA
 ZIP: 02110-2804
 COUNTRY: USA
 COMPUTER: READABLE FORM:
 MEDIUM TYPE: floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent release #1.0, version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/06/628,198
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/467,155
 FILING DATE: 06-03-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: CLARK, PAUL T.
 REGISTRATION NUMBER: 30,162
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/542-5070
 TELEFAX: 617/542-8906
 TELEFAX: 200154
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 276 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-628-198-1

Query Match
 Best Local Similarity 100.0%; Score 1496; DB 2; Length 276;
 Matches 276; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 1 WSAPIHLSAASGRNALKLPIAAQDMAAEALLKQNTDLPDENVAQPCASGSPQ 60
 1 WSAPIHLSAASGRNALKLPIAAQDMAAEALLKQNTDLPDENVAQPCASGSPQ 60
 1 WSAPIHLSAASGRNALKLPIAAQDMAAEALLKQNTDLPDENVAQPCASGSPQ 60
 61 VSLPNSGSHQAGLVDSQSVVLDAKCNKCPVLAARVDDHLLLOOSQJARTTSVYHKK 120
 61 VSLPNSGSHQAGLVDSQSVVLDAKCNKCPVLAARVDDHLLLOOSQJARTTSVYHKK 120
 61 VSLPNSGSHQAGLVDSQSVVLDAKCNKCPVLAARVDDHLLLOOSQJARTTSVYHKK 120

121 YHQSOGPLRRTDDEHDMKLKAPVPGVGVRAQLQPRCAQDQOCQVAGCTTAAK 180
 121 YHQSOGPLRRTDDEHDMKLKAPVPGVGVRAQLQPRCAQDQOCQVAGCTTAAK 180
 121 YHQSOGPLRRTDDEHDMKLKAPVPGVGVRAQLQPRCAQDQOCQVAGCTTAAK 180
 181 RYVYNGKLTCSSTITLSPFEEVFPVGVYNNMTCAGLMDGQPCQSGSGPVCDYETIQ 240
 181 RYVYNGKLTCSSTITLSPFEEVFPVGVYNNMTCAGLMDGQPCQSGSGPVCDYETIQ 240
 181 RYVYNGKLTCSSTITLSPFEEVFPVGVYNNMTCAGLMDGQPCQSGSGPVCDYETIQ 240
 241 GILSNQVPCSGAHGPAVYVTOICXVMSYINRVSN 276
 241 GILSNQVPCSGAHGPAVYVTOICXVMSYINRVSN 276
 241 GILSNQVPCSGAHGPAVYVTOICXVMSYINRVSN 276

RESULT 3
 US-05-201-038-1
 Sequence 1, Application US/09201038

Patent No. 583694
 GENERAL INFORMATION:
 APPLICANT: Band, Viala
 TITLE OF INVENTION: WNS-1 POLYPEPTIDES, DNA, AND RELATED
 MOLECULES AND METHODS
 NUMBER OF SOURCES: 11
 CORRESPONDENCE ADDRESS:
 STREET: 225 Franklin Street
 CITY: Boston
 STATE: MA
 ZIP: 02110-2804
 COUNTRY: USA
 COMPUTER: READABLE FORM:
 MEDIUM TYPE: floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Patent release #1.0, version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/05/201,038
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/628,198
 FILING DATE:
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: CLARK, PAUL T.
 REGISTRATION NUMBER: 30,162
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/542-5070
 TELEFAX: 617/542-8906
 TELEFAX: 200154
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 276 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-05-201-038-1

Query Match
 Best Local Similarity 100.0%; Score 1496; DB 3; Length 276;
 Matches 276; Conservative 0; Mismatches 46-1; Indels 0; Gaps 0;
 1 WSAPIHLSAASGRNALKLPIAAQDMAAEALLKQNTDLPDENVAQPCASGSPQ 60
 1 WSAPIHLSAASGRNALKLPIAAQDMAAEALLKQNTDLPDENVAQPCASGSPQ 60
 1 WSAPIHLSAASGRNALKLPIAAQDMAAEALLKQNTDLPDENVAQPCASGSPQ 60
 61 VSLPNSGSHQAGLVDSQSVVLDAKCNKCPVLAARVDDHLLLOOSQJARTTSVYHKK 120
 61 VSLPNSGSHQAGLVDSQSVVLDAKCNKCPVLAARVDDHLLLOOSQJARTTSVYHKK 120
 61 VSLPNSGSHQAGLVDSQSVVLDAKCNKCPVLAARVDDHLLLOOSQJARTTSVYHKK 120
 121 YHQSOGPLRRTDDEHDMKLKAPVPGVGVRAQLQPRCAQDQOCQVAGCTTAAK 180

Db 121 YHQSPPILPRRTDHDMLKLARVPYKGRVWALQUPRCAGPQPCQSGGPPQAGQOTTAAR 180
 Oy 181 RYKXNGJLTCSSITLSPFEVEYPPGVVNNMCKGLDRQDPCQSGGPPVCEBTLQ 240
 Db 181 RYKXNGJLTCSSITLSPFEVEYPPGVVNNMCKGLDRQDPCQSGGPPVCEBTLQ 240
 Oy 241 GILSMOYPCSGAHPAVYTOCKXMSINKIKVSN 276
 Db 241 GILSMOYPCSGAHPAVYTOCKXMSINKIKVSN 276

RESULT 4

PCT-US96-07343-1

Sequence 1, Application: PCT/US96/07343
 GENERAL INFORMATION:
 APPLICANT: Band, Medical Center Hospital, Inc.
 TITLE OF INVENTION: NES-1 POLYPEPTIDES, DNA, AND RELATED
 TITLE OF INVENTION: MOLECULES AND METHODS
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSES: Fish & Richardson P.C.
 STREET: 225 Franklin Street
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02110-2804
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US96/07343
 FILING DATE: 06-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/467,155
 FILING DATE: 06-JUN-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Clark, Paul T. 30, 152
 TELEPHONE: 617/542-8906
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/542-5070
 TELEFAX: 617/542-8906
 INFORMATION FOR SEQ ID NO: 1:
 LENGTH: 276 amino acids
 STRANDS: 1
 TYPE: amino acids
 TOPOLOGY: linear
 MOLECULE TYPE: protein

Query Match 100.0%; Score 1496; DB 5; Length 276;

Best Local Similarity 100.0%; Pred. No. 3, 4e-146;

Matches 276; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MEAPHILHSASGALALPLMLQMAAALLPQNDTRLDPEYVACARQSGQ 60
 Db 1 MEAPHILHSASGALALPLMLQMAAALLPQNDTRLDPEYVACARQSGQ 60
 Oy 61 VSLPNSLSPFGCGVLDVSWVLAARQGNPRMARVGDHLLLCQSLPTTSVYVR 120
 Db 61 VSLPNSLSPFGCGVLDVSWVLAARQGNPRMARVGDHLLLCQSLPTTSVYVR 120
 Oy 121 YHQSPPILPRRTDHDMLKLARVPYKGRVWALQUPRCAGPQPCQSGGPPQAGQOTTAAR 180
 Db 121 YHQSPPILPRRTDHDMLKLARVPYKGRVWALQUPRCAGPQPCQSGGPPQAGQOTTAAR 180
 Oy 241 GILSMOYPCSGAHPAVYTOCKXMSINKIKVSN 276
 Db 241 GILSMOYPCSGAHPAVYTOCKXMSINKIKVSN 276

Db 181 RYKXNGJLTCSSITLSPFEVEYPPGVVNNMCKGLDRQDPCQSGGPPVCEBTLQ 240
 Oy 241 GILSMOYPCSGAHPAVYTOCKXMSINKIKVSN 276
 Db 241 GILSMOYPCSGAHPAVYTOCKXMSINKIKVSN 276

RESULT 5

US-08-467-155A-11

Sequence 11, Application: US/08467155A
 GENERAL INFORMATION:
 APPLICANT: Band, Vmea
 TITLE OF INVENTION: NES-1 POLYPEPTIDES, DNA, AND RELATED
 TITLE OF INVENTION: MOLECULES AND METHODS
 NUMBER OF SEQUENCES: 1
 CORRESPONDENCE ADDRESS:
 ADDRESSES: Fish & Richardson P.C.
 STREET: 225 Franklin Street
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02110-2804
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,155A
 FILING DATE: 06-JUN-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Clark, Paul T. 30, 152
 TELEPHONE: 617/542-8906
 TELEFAX: 617/542-8906
 INFORMATION FOR SEQ ID NO: 11:
 LENGTH: 281 amino acids
 STRANDS: 1
 TYPE: amino acids
 TOPOLOGY: linear
 MOLECULE TYPE: protein

Query Match 96.2%; Score 1438.5; DB 1; Length 281;

Best Local Similarity 97.0%; Pred. No. 3, 4e-140;

Matches 276; Conservative 0; Mismatches 0; Indels 15; Gaps 5;

Oy 1 MEAPHILHSASGALALPLMLQMAAALLPQNDTRLDPEYVACARQSGQ 57
 Db 1 MEAPHILHSASGALALPLMLQMAAALLPQNDTRLDPEYVACARQSGQ 60
 Oy 58 PVOYSLPFGCGVLDVSWVLAARQGNPRMARVGDHLLLCQSLPTTSVYVR 114
 Db 61 PVOYSLPFGCGVLDVSWVLAARQGNPRMARVGDHLLLCQSLPTTSVYVR 120
 Oy 115 SVYPRVPGSGSLPRRTDHDMLKLARVPYKGRVWALQUPRCAGPQPCQSGGPPQAGQOTTAAR 180
 Db 115 SVYPRVPGSGSLPRRTDHDMLKLARVPYKGRVWALQUPRCAGPQPCQSGGPPQAGQOTTAAR 180
 Oy 241 GILSMOYPCSGAHPAVYTOCKXMSINKIKVSN 276
 Db 241 GILSMOYPCSGAHPAVYTOCKXMSINKIKVSN 276
 Oy 229 SGQPLVCEBTLQAGILSMOYPCSGAHPAVYTOCKXMSINKIKVSN 276
 Db 241 SGQPLVCEBTLQAGILSMOYPCSGAHPAVYTOCKXMSINKIKVSN 291


```

/ COUNTRY: USA
/ 10016-2787
/ COMPUTER READABLE FORM:
/ MEDIAN TYPE: Diskette
/ OPERATING SYSTEM: IBM PC compatible
/ SOFTWARE: PARSIS for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/324,974
/ FILING DATE: 16-SEP-1998
/ PRIORITY DATE: 16-SEP-1998
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ CLASSIFICATION:
/ FILING DATE: INFORMATION:
/ NAME: BILLINGS, Lucy J.
/ REGISTRATION NUMBER: 36,749
/ REFERENCE/DOCKET NUMBER: PF-0252 US
/ TELEPHONE: 415-855-0955
/ TELEFAX: 415-845-4166
/ INFORMATION FOR SEQ ID NO: 3:
/ SOURCE: CHARACTERISTICS
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ LIBRARY: GenBank
/ CLONE: 532504
/ US-08-324-974-3
/
/ Query Match
/ 36.7%; Score 549; DB 2; Length 253;
/ Best Local Similarity 40.9%; Pred. No. 1,2e+48;
/ Matches 109; Conservative 45; Mismatches 97; Indels 14; Gaps 4;
/
/ DB 14 ABAALAPLPYLAQGLMAABALPQNDTRLDPEAYGAFCAQSGQSWVGLPNGLSPFCG 73
/ 2 ASLSLPPQLTSLALATFGEKQDKITD---GACNASHPMVGLNSQNLHCG 57
/ 74 VLVDSQSWYLAARCNCFYMAAYVDHLLALGDLRRTTSVVPKXHQSGQPILEPRT 133
/ 58 VLVNENWYLAARCNCFYMAAYVDHLLALGDLRRTTSVVPKXHQSGQPILEPRT 108
/ 134 DHDMLAKLAAPVPFPAVALQPYRCNQPGQCGQVAGMTTAAARKYKNGLTCSI 193
/ 109 HVDMLAKLAAPVPFPAVALQPYRCNQPGQCGQVAGMTTAAARKYKNGLTCSI 168
/ DB 109 HVDMLAKLAAPVPFPAVALQPYRCNQPGQCGQVAGMTTAAARKYKNGLTCSI 168
/ 14 TILSPKEVEYFGVNTNNICGL-DGDDPGQSGSGGLVCEDEGLIISLVGVPGCS 252
/ DB 14 TILSPKEVEYFGVNTNNICGL-DGDDPGQSGSGGLVCEDEGLIISLVGVPGCS 252
/ 169 KILSPDCTVYKDLIDENMCGIPKPSIKKANGSGDEFLVCKWGLAVSWGTFCQ 228
/ DB 169 KILSPDCTVYKDLIDENMCGIPKPSIKKANGSGDEFLVCKWGLAVSWGTFCQ 228
/
/ DB 253 AOHAPVYTCIKYKSNINYSN 276
/ DB 229 ENDGVYVCKCFKFWINDTKKH 252
/
/ RESULT 11
/ US-09-154-344-2
/ Sequence 2, Application US/0915434
/ GENERAL INFORMATION:
/ Patent No. 5981266
/ APPLICANT: Boehringer Mannheim
/ APPLICANT: Boehringer Mannheim
/ TITLE OF INVENTION: Recombinant Bovine Coronavirus Cyomultypic
/ TITLE OF INVENTION: RECOMBINANT BOVINE CORONAVIRUS CYOMULTYPIC
/ NUMBER OF SEQUENCES: 3
/ ADDRESSSES: 1155 Avenue of the Americas
/ STREET: 1155 Avenue of the Americas
/ CITY: New York
/ STATE: New York
/ COUNTRY: U.S.A.

```

```

/ DB 10016-2787
/ COMPUTER READABLE FORM:
/ MEDIAN TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PARSIS for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/154,344
/ FILING DATE: 16-SEP-1998
/ PRIORITY DATE: 16-SEP-1998
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ CLASSIFICATION:
/ FILING DATE: INFORMATION:
/ NAME: Steiner, Richard J.
/ REGISTRATION NUMBER: 35,372
/ REFERENCE/DOCKET NUMBER: 1103326-181
/ TELEPHONE: (212) 819-8783
/ TELEFAX: (212) 354-8113
/ INFORMATION FOR SEQ ID NO: 2:
/ SOURCE: CHARACTERISTICS
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-09-154-344-2
/
/ Query Match
/ 36.7%; Score 549; DB 2; Length 253;
/ Best Local Similarity 40.9%; Pred. No. 1,2e+48;
/ Matches 109; Conservative 45; Mismatches 97; Indels 14; Gaps 4;
/
/ DB 14 ABAALAPLPYLAQGLMAABALPQNDTRLDPEAYGAFCAQSGQSWVGLPNGLSPFCG 73
/ 2 ASLSLPPQLTSLALATFGEKQDKITD---GACNASHPMVGLNSQNLHCG 57
/ 74 VLVDSQSWYLAARCNCFYMAAYVDHLLALGDLRRTTSVVPKXHQSGQPILEPRT 133
/ 58 VLVNENWYLAARCNCFYMAAYVDHLLALGDLRRTTSVVPKXHQSGQPILEPRT 108
/ 134 DHDMLAKLAAPVPFPAVALQPYRCNQPGQCGQVAGMTTAAARKYKNGLTCSI 193
/ 109 HVDMLAKLAAPVPFPAVALQPYRCNQPGQCGQVAGMTTAAARKYKNGLTCSI 168
/ DB 109 HVDMLAKLAAPVPFPAVALQPYRCNQPGQCGQVAGMTTAAARKYKNGLTCSI 168
/ 14 TILSPKEVEYFGVNTNNICGL-DGDDPGQSGSGGLVCEDEGLIISLVGVPGCS 252
/ DB 14 TILSPKEVEYFGVNTNNICGL-DGDDPGQSGSGGLVCEDEGLIISLVGVPGCS 252
/ 169 KILSPDCTVYKDLIDENMCGIPKPSIKKANGSGDEFLVCKWGLAVSWGTFCQ 228
/ DB 169 KILSPDCTVYKDLIDENMCGIPKPSIKKANGSGDEFLVCKWGLAVSWGTFCQ 228
/
/ DB 253 AOHAPVYTCIKYKSNINYSN 276
/ DB 229 ENDGVYVCKCFKFWINDTKKH 252
/
/ RESULT 12
/ US-08-930-188-2
/ Sequence 2, Application US/08930188
/ GENERAL INFORMATION:
/ Patent No. 5981266
/ APPLICANT: Dikson, Eric P.
/ APPLICANT: Dikson, Edward M.
/ TITLE OF INVENTION: ANTIDOT PRECURSOR PROTEIN PROTEASE AND
/ TITLE OF INVENTION: RELATED NUCLEIC ACIDS
/ NUMBER OF SEQUENCES: 3
/ ADDRESSSES: 1155 Avenue of the Americas
/ STREET: Lilly Corporate Center
/ CITY: Indianapolis
/ STATE: Indiana
/ COUNTRY: United States of America
/ ZIP: 46285
/ COMPUTER READABLE FORM:

```

```

MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC COMPATIBLE
OPERATING SYSTEM: PC COMPATIBLE-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/930,188
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/416,257
NAME: BAILOCK, DONNA K.
ATTORNEY/AGENT INFORMATION:
NAME: BAILOCK, DONNA K.
REGISTRATION NUMBER: 38,082
REFERENCE/DOCKET NUMBER: 93239
TELEPHONE: 317-277-1090
TELEFAX: 317-276-3861
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 253 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULAR WEIGHT: 25304
US-08-930-188-2

Query Match 36.7% Score 549, DB 3, Length 253,
Beet local similarity 40.9% Pctd No 1,26,48
Matches 108, Conservative 45, Mismatches 97, Indels 14, Gaps 4,

14 AATAATLPLQAKMAABALLPQVTRIDENAVAFKNSGQFQWVSLPNSGSPFCDA 73
2 ASSLPLPDLISLALFETGEBGDBIID---QAPGSGHMQVALSSQNDLQCG 57
74 VLVDSQWTLPAKCNKFLAARVGDHLLLGSGQARTTSVHPFKHSGSPILPRT 133
58 VLVENVITPAKCNKFLAARVGDHLLLGSGQARTTSVHPFKHSGSPILPRT 108
134 DEDHMLLKLARVPRVPRFALDLYPCQPGQGVNGGTTAARVKNGLTCSST 193
109 HNDMLLKLARVPRVPRFALDLYPCQPGQGVNGGTTAARVKNGLTCSST 166
144 TILSPRECEVAYGVYNNIMCGL-DGQDPFGSGSGPVPYDRTLQGLLSMVYPCG 252
169 KLSVQDCTKTYKQILSSNMLCGLIDKSKNCNDSGSPVLCNGLQGLLSMVYPCG 228
253 AQHPAVTYQIKXMSHNNVYNSN 276
229 PRDGVYTVCKTKMTAMNTWKCH 252

RESULT 13
US-09-210-084-3
Sequence 3 Application US/09/210,084
Patent No. 6197611
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
TITLE OF INVENTION: NOVEL KALLIKREIN
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSES: Incept Pharmaceuticals, Inc.
STREET: 3174 Drexel Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
SOFTWARE: PatentIn Release #1.0, Version #2.0

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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/210,084
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/824,874
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: BAILOCK, DONNA K.
REGISTRATION NUMBER: 38,749
TELEPHONE: 317-277-1090
TELEFAX: 317-276-3861
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 253 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULAR WEIGHT: 25304
CLONE: 523504
US-09-210-084-3

Query Match 36.7% Score 549, DB 3, Length 253,
Beet local similarity 40.9% Pctd No 1,26,48
Matches 108, Conservative 45, Mismatches 97, Indels 14, Gaps 4,

14 AATAATLPLQAKMAABALLPQVTRIDENAVAFKNSGQFQWVSLPNSGSPFCDA 73
2 ASSLPLPDLISLALFETGEBGDBIID---QAPGSGHMQVALSSQNDLQCG 57
74 VLVDSQWTLPAKCNKFLAARVGDHLLLGSGQARTTSVHPFKHSGSPILPRT 133
58 VLVENVITPAKCNKFLAARVGDHLLLGSGQARTTSVHPFKHSGSPILPRT 108
134 DEDHMLLKLARVPRVPRFALDLYPCQPGQGVNGGTTAARVKNGLTCSST 193
109 HNDMLLKLARVPRVPRFALDLYPCQPGQGVNGGTTAARVKNGLTCSST 166
144 TILSPRECEVAYGVYNNIMCGL-DGQDPFGSGSGPVPYDRTLQGLLSMVYPCG 252
169 KLSVQDCTKTYKQILSSNMLCGLIDKSKNCNDSGSPVLCNGLQGLLSMVYPCG 228
253 AQHPAVTYQIKXMSHNNVYNSN 276
229 PRDGVYTVCKTKMTAMNTWKCH 252

RESULT 14
US-09-210-762-3
Sequence 3 Application US/09/764,762
Patent No. 6472195
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
TITLE OF INVENTION: NOVEL KALLIKREIN
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSES: Incept Pharmaceuticals, Inc.
STREET: 3174 Drexel Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
SOFTWARE: PatentIn Release #1.0, Version #2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/764,762

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/ FILLING DATE: 16-Jan-2001
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA: unknown
/ APPLICATION NUMBER: 09/210,084
/ FILLING DATE: <unknown>
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Biallock, Donna K.
/ REGISTRATION NUMBER: 36,749
/ REFERENCE/DOCKET NUMBER: P-0252 US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 311-277-1090
/ TELEFAX: 311-845-4166
/ INFORMATION FOR SEQ ID NO: 3:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 253 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ IMMEDIATE SOURCE:
/ ORGANISM: Homo sapiens
/ CLONE: 532504
/ PCT-US96-04294-2
/
/ SEQUENCE DESCRIPTION: SEQ ID NO: 3:
/
/ US-09-764-762-3
/
/ Query Match 36.7%; Score 549; DB 4; Length 253;
/ Identical Similarity 40.9%; Pred. No. 1,2e+81;
/ Matches 108; Conservative 45; Mismatches 97; Indels 14; Gaps 4;
/
/ 14 ABAALALPLILMAQMAAALALPQNTPLDPEYVAFCAKSGQVSLPFGSLPFG 73
/ 2 ASALILPLQLILSLALELTEREQAQKID---GACNASHMPVVALLSQNLHCG 57
/ 74 VLVPGSWVLAHACNCPFLMAVAGDQHLILGSGARFTTSVVPKXKQSGPILPRT 133
/ 58 VLVNENVLAHACNCPFLMAVAGDQHLILGSGARFTTSVVPKXKQSGPILPRT 108
/ 134 DHDIDLKLTALPVPFGVPTALQIPVCAQCPQDQVAGNGTFAARVXNKGITGSS 193
/ 109 HNVDDLVKLSNQALSMVAVKPLSKCPSPGTCVSSNGITTSVDFPSPDLKMDV 168
/ 194 TLSPRECEVFPFGVPTNMIKGL--DPSGDPQCSGSGPLVCDETQGLLSMGVYFG 252
/ 169 KLSPEQDTVYKGLLNSNLCGLIPSKSNKAGDSGSLVCGTLDQVLSNGITFGCG 228
/
/ DB 253 AOHAVYQICWCHSNINVTREN 276
/ DB 228 PNDQGVYQVCKCFKMLINDNKH 252
/
/ RESULT 15
/ PCT-US96-04294-2
/ SEQUENCE 2, Application PCT/US9604294
/ GENERAL INFORMATION:
/ APPLICANT: Biallock, Donna K.
/ APPLICANT: Biallock, Donna K.
/ APPLICANT: Biallock, Donna K.
/ TITLE OF INVENTION: ANTIOXIDANT PROTEIN PROTEASE AND
/ TITLE OF INVENTION: ANTIOXIDANT PROTEIN PROTEASE AND
/ NUMBER OF SEQUENCES: 3
/ CORRESPONDENCE ADDRESS:
/ ADDRESS: Eli Lilly and Company
/ STREET: Eli Lilly Corporate Center
/ CITY: Indianapolis
/ STATE: Indiana
/ COUNTRY: United States of America
/ ZIP: 46205
/ CONTACT: Biallock, Donna K.
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PCT/US96-04294-2, Version #1.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US96/04294

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/ FILLING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/416,257
/ FILLING DATE: 04-Jan-1995
/ NAME: Biallock, Donna K.
/ REGISTRATION NUMBER: 36,08239
/ REFERENCE/DOCKET NUMBER: X9239
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 311-277-1090
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 253 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ IMMEDIATE SOURCE:
/ ORGANISM: Homo sapiens
/ CLONE: 532504
/ PCT-US96-04294-2
/
/ Query Match 36.7%; Score 549; DB 5; Length 253;
/ Identical Similarity 40.9%; Pred. No. 1,2e+81;
/ Matches 108; Conservative 45; Mismatches 97; Indels 14; Gaps 4;
/
/ 14 ABAALALPLILMAQMAAALALPQNTPLDPEYVAFCAKSGQVSLPFGSLPFG 73
/ 2 ASALILPLQLILSLALELTEREQAQKID---GACNASHMPVVALLSQNLHCG 57
/ 74 VLVPGSWVLAHACNCPFLMAVAGDQHLILGSGARFTTSVVPKXKQSGPILPRT 133
/ 58 VLVNENVLAHACNCPFLMAVAGDQHLILGSGARFTTSVVPKXKQSGPILPRT 108
/ 134 DHDIDLKLTALPVPFGVPTALQIPVCAQCPQDQVAGNGTFAARVXNKGITGSS 193
/ 109 HNVDDLVKLSNQALSMVAVKPLSKCPSPGTCVSSNGITTSVDFPSPDLKMDV 168
/ 194 TLSPRECEVFPFGVPTNMIKGL--DPSGDPQCSGSGPLVCDETQGLLSMGVYFG 252
/ 169 KLSPEQDTVYKGLLNSNLCGLIPSKSNKAGDSGSLVCGTLDQVLSNGITFGCG 228
/
/ DB 253 AOHAVYQICWCHSNINVTREN 276
/ DB 228 PNDQGVYQVCKCFKMLINDNKH 252
/
/ Search completed: November 25, 2003, 09:03:43
/ Job time : 25 secs

```


PF prostate carcinoma, and can be useful for treating these diseases
 XX
 XX Claim 1, Page 44-45; 77pp; English.
 XX
 XX NES1 (Normal Epithelial Specific-1) polypeptide (AA097610) is a
 CC serine protease negatively associated with epithelial cell
 CC malignancy. The NES1 amino acid sequence was deduced from a cDNA
 CC clone (AA144111) isolated from radiation-transformed human mammary
 CC epithelial cells. The NES1 protein can be produced in
 CC transformed host cells. It provides a potential application in
 CC breast, cervical and prostate carcinoma and may also be used in
 CC the treatment of these diseases.
 XX
 XX Sequence 276 Ab;
 XX
 XX Query Match 100.0%; Score 1496; DB 18; Length 276;
 XX Best Local Similarity 100.0%; Pred. No. 3, 5e-133;
 XX Matches 276; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 XX
 XX 1 MRAPIHLSASASGALALPLPLMDQMAAALALPQNTFRDLEPYACARSGQPMQ 60
 XX DB 1 MRAPIHLSASASGALALPLPLMDQMAAALALPQNTFRDLEPYACARSGQPMQ 60
 XX 61 VSLPNGLSPFCQGVYVDSQSVITFAARCONKPELMAVGGDHLLALCEQRLRTTTSVYVR 120
 XX DB 61 VSLPNGLSPFCQGVYVDSQSVITFAARCONKPELMAVGGDHLLALCEQRLRTTTSVYVR 120
 XX 121 VYQSGSPILPRTDHDMLAKLAPVYVPGPRVALALPFCAGQGGQVAGNGTAA 180
 XX DB 121 VYQSGSPILPRTDHDMLAKLAPVYVPGPRVALALPFCAGQGGQVAGNGTAA 180
 XX 181 RYKYNGLTCSITTLSPCEGVYVPGVYNNMNCGLDSDQPCGSDGGPIVCGTID 240
 XX DB 181 RYKYNGLTCSITTLSPCEGVYVPGVYNNMNCGLDSDQPCGSDGGPIVCGTID 240
 XX 241 GILSGVYPCGSAGRPVYVTCCKNSYMKYIKRIN 276
 XX DB 241 GILSGVYPCGSAGRPVYVTCCKNSYMKYIKRIN 276
 XX
 XX 241 GILSGVYPCGSAGRPVYVTCCKNSYMKYIKRIN 276
 XX DB 241 GILSGVYPCGSAGRPVYVTCCKNSYMKYIKRIN 276
 XX
 XX RESULT 2
 XX AA021327 standard; Protein: 276 AA.
 XX
 XX AA021327;
 XX
 XX 02-FEB-2001 (first entry)
 XX
 XX Human NES1.
 XX
 XX Human: KIK-L1; KIK-L2; KIK-L3; KIK-L4; KIK-L5; KIK-L6; NES1;
 XX KIK-L7; KIK-L8; KIK-L9; KIK-L10; KIK-L11; KIK-L12; KIK-L13; KIK-L14;
 XX serine protease; cytosolic; cancer; prostate cancer.
 XX
 XX Homo sapiens.
 XX
 XX MO200053776-A2.
 XX
 XX 14-SEP-2000.
 XX
 XX 09-MAR-2000; 2000WO-CAN028.
 XX
 XX 11-MAR-1999; 99US-0124240.
 XX PR 01-MAR-1999; 99US-0127386.
 XX 21-OCT-1999; 99US-0149319.
 XX
 XX (MOON) MODUT SIGNAL HOSTPITAL.
 XX
 XX Youssef GM, Diamonds EP;
 XX
 XX WPI: 2000-587440/55.
 XX
 XX New kallikrein-like (KIK-L) proteins for diagnosing and treating KIK-L.

PF protein mediated disorders, especially cancer.
 XX
 XX Example 4; Fig 27; 18pp; English.
 XX
 XX The present sequence is human normal epithelial cell-specific 1
 CC kallikrein-like protein, a serine protease, and a member of the
 CC kallikrein-like protein family. They catalyze the selective cleavage of specific polypeptide
 CC precursors to release peptides with potent biological activity. Muscular
 CC disease associated with kallikrein-like protein (KIK-L1, KIK-L2, KIK-L3, KIK-L4,
 CC KIK-L5, KIK-L6, KIK-L7, KIK-L8, KIK-L9, KIK-L10, KIK-L11, KIK-L12,
 CC treatment, monitoring and diagnosis of cancers, especially prostate
 CC cancer. They can also be used to identify a substance that can associate
 CC with or mediate the biological activity of the proteins. Antibodies can
 CC be used to treat conditions mediated by the kallikrein-like proteins.
 XX
 XX Sequence 276 Ab;
 XX
 XX Query Match 100.0%; Score 1496; DB 21; Length 276;
 XX Best Local Similarity 100.0%; Pred. No. 3, 5e-133;
 XX Matches 276; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 XX
 XX 1 MRAPIHLSASASGALALPLPLMDQMAAALALPQNTFRDLEPYACARSGQPMQ 60
 XX DB 1 MRAPIHLSASASGALALPLPLMDQMAAALALPQNTFRDLEPYACARSGQPMQ 60
 XX 61 VSLPNGLSPFCQGVYVDSQSVITFAARCONKPELMAVGGDHLLALCEQRLRTTTSVYVR 120
 XX DB 61 VSLPNGLSPFCQGVYVDSQSVITFAARCONKPELMAVGGDHLLALCEQRLRTTTSVYVR 120
 XX 121 VYQSGSPILPRTDHDMLAKLAPVYVPGPRVALALPFCAGQGGQVAGNGTAA 180
 XX DB 121 VYQSGSPILPRTDHDMLAKLAPVYVPGPRVALALPFCAGQGGQVAGNGTAA 180
 XX 181 RYKYNGLTCSITTLSPCEGVYVPGVYNNMNCGLDSDQPCGSDGGPIVCGTID 240
 XX DB 181 RYKYNGLTCSITTLSPCEGVYVPGVYNNMNCGLDSDQPCGSDGGPIVCGTID 240
 XX 241 GILSGVYPCGSAGRPVYVTCCKNSYMKYIKRIN 276
 XX DB 241 GILSGVYPCGSAGRPVYVTCCKNSYMKYIKRIN 276
 XX
 XX RESULT 2
 XX AB093356 standard; Protein: 276 AA.
 XX
 XX ID AB093356
 XX
 XX AB093356;
 XX
 XX 11-DEC-2002 (first entry)
 XX
 XX Human ovarian cancer marker OV92.
 XX
 XX Human: ovarian cancer; marker; cancer; familial history; brain disorder;
 XX central nervous system disorder; bacterial meningitis; viral meningitis;
 XX Alzheimer's disease; Parkinson's disease; cerebral edema; hydrocephalus;
 XX brain neoplasm; inflammation; encephalitis; psychiatric disorder;
 XX heart disorder; ischemic heart disease; atherosclerosis; megakaryo;
 XX histological type; carcinogenic; ovarian cancer marker.
 XX
 XX Homo sapiens.
 XX
 XX WO200271928-A2.
 XX
 XX 19-SEP-2002.
 XX
 XX 14-MAR-2001; 2001US-276028P.
 XX PR 14-MAR-2001; 2001US-276028P.
 XX 10-AUG-2001; 2001US-311735P.
 XX 19-SEP-2001; 2001US-323580P.

XX The present sequence is one of four alternatively spliced kallikrein-like
CC proteins encoded by the human *KLK-14* gene. Kallikrein and
CC kallikrein-like proteins are a subgroup of the serine protease enzyme
CC family. They catalyze the selective cleavage of specific polypeptide
CC bonds in a variety of substrates, including biological activity. Nucleic
CC acid sequences encoding the kallikrein-like protein have been isolated
CC from *KLK-15* and *KLK-16* have been isolated. The proteins are useful in the
CC treatment, monitoring and diagnosis of cancer, especially prostate
CC cancer. They can also be used to identify a substance that can associate
CC with a kallikrein-like protein, and a substance that can inhibit a kallikrein
CC can be used to treat conditions mediated by the kallikrein-like proteins.

XX Sequence 248 AA:

Query Match 37.7%; Score 564; DB 21; Length 248;

Best Local Similarity 45.9%; Pred. No. 3.9e-45;

Matches 118; Conservative 29; Mismatches 92; Indels 18; Gaps 5;

23 ILMNMAEALMLLQWDTLPPEAV-GAPCASGSPQWVGLPNSLSPHCAVVDQGWY 81

DB 7 LILCVLQDQDA-----TPKINPTECGRNQSPQWVGLPNSLSPHCAVVDQGWY 57

QY 82 ILMNMAEALMLLQWDTLPPEAV-GAPCASGSPQWVGLPNSLSPHCAVVDQGWY 110

DB 58 ILMNMAEALMLLQWDTLPPEAV-GAPCASGSPQWVGLPNSLSPHCAVVDQGWY 140

QY 141 ILMNMAEALMLLQWDTLPPEAV-GAPCASGSPQWVGLPNSLSPHCAVVDQGWY 200

DB 112 ILMNMAEALMLLQWDTLPPEAV-GAPCASGSPQWVGLPNSLSPHCAVVDQGWY 171

QY 201 CEVPTPGVPTNNKCGMLNCGRQPGSSSGEFLVDEETLQGLISMG-VTPQSAQAPAY 259

DB 172 CEVPTPGVPTNNKCGMLNCGRQPGSSSGEFLVDEETLQGLISMG-VTPQSAQAPAY 231

QY 260 TQICRSMKINMYTESN 276

DB 232 TVICQYVDIMIMERN 248

RESULT 7

AA024032 standard; Protein: 248 AA.

AA024032

25-JAN-2001 (first entry)

AA024032

Human PRO1303 protein sequence SEQ ID NO:33.

Human; tumor; diagnosis; neoplastic disease; proliferation; cancer;

identification; tumorigenesis; anticancer; detection.

Human sapiens.

MO00003750-AL.

14-SEP-2000.

02-DEC-1999.

08-MAR-1998.

29-OCT-1999.

30-NOV-1999.

01-DEC-1999.

(GETH) GENENTECH INC.

Boestean D, Goddard A, Gurney AL, Roy MA, Melanbe CK, Wood WJ;

WPI: 2000-594320/56.

N-PSDB; AAC58114.

XX antibodies specific for PRO polypeptides, used to diagnose and inhibit
CC proliferation and to identify inhibitors of PRO
CC polypeptide activity or expression.
XX Claim 61, Fig 24; 226p; English.

XX The present invention describes an antibody that binds to a human
CC protein (I) selected from: PRO181; PRO1289; PRO1410; PRO1755; PRO1780;
CC PRO1346; PRO1927; PRO1557; PRO1295; PRO1293; PRO1303; PRO1344; PRO1354;
CC PRO1497; PRO1400; PRO1555; PRO1056; PRO1203; and PRO1265. (I) has
CC a sequence of amino acids that is identical to the amino acid sequence of
CC a human PRO polypeptide. The antibody can be used to detect, by
CC detecting complex formation when the antibody is contacted with a sample
CC containing a human PRO polypeptide, the presence of a human PRO
CC polypeptide and protein sequences given in the exemplification of
CC the present invention.

XX Sequence 248 AA:

Query Match 37.7%; Score 564; DB 21; Length 248;

Best Local Similarity 45.9%; Pred. No. 3.9e-45;

Matches 118; Conservative 29; Mismatches 92; Indels 18; Gaps 5;

23 ILMNMAEALMLLQWDTLPPEAV-GAPCASGSPQWVGLPNSLSPHCAVVDQGWY 81

DB 7 LILCVLQDQDA-----TPKINPTECGRNQSPQWVGLPNSLSPHCAVVDQGWY 57

QY 82 ILMNMAEALMLLQWDTLPPEAV-GAPCASGSPQWVGLPNSLSPHCAVVDQGWY 110

DB 58 ILMNMAEALMLLQWDTLPPEAV-GAPCASGSPQWVGLPNSLSPHCAVVDQGWY 140

QY 141 ILMNMAEALMLLQWDTLPPEAV-GAPCASGSPQWVGLPNSLSPHCAVVDQGWY 200

DB 112 ILMNMAEALMLLQWDTLPPEAV-GAPCASGSPQWVGLPNSLSPHCAVVDQGWY 171

QY 201 CEVPTPGVPTNNKCGMLNCGRQPGSSSGEFLVDEETLQGLISMG-VTPQSAQAPAY 259

DB 172 CEVPTPGVPTNNKCGMLNCGRQPGSSSGEFLVDEETLQGLISMG-VTPQSAQAPAY 231

QY 260 TQICRSMKINMYTESN 276

DB 232 TVICQYVDIMIMERN 248

RESULT 8

AA024428 standard; Protein: 248 AA.

AA024428

07-NOV-2000 (first entry)

AA024428

Human PRO1303 protein sequence SEQ ID NO:103.

Human; PRO; promotion; inhibition; angiogenesis; cardiovascular; diagnosis;

tumors; wound; cancer; arteriosclerosis; cardiac hypertrophy;

cytotoxic; gene therapy; vaccine.

Human sapiens.

MO00003221-A2.

08-JUN-2000.

[illegible]

PR 18-NOV-1996; 98US-0108858.
PR 18-NOV-1996; 98US-0108904.
XX
XX (GENT) GENENTECH INC.
XX
XX Baker K, Goddard A, Gurney AL, Smith V, Watanabe CK, Wood WJ.
DR WPI: 2000-237671/20.
DR N-PSDB; AAA37075.

PT New mammalian DNA sequences encoding transmembrane, receptor or
PT secreted PRO polypeptides, useful for screening of potential peptide or
PT small molecule inhibitors of the relevant receptor/ligand interactions
PS
PS Claim 12; Fig 108; 773pp; English

AA371492 to AA371544 encode those involved in an transmembrane receptor or secreted PRO polypeptides given in AA199340 to AA199362. The transmembrane and receptor-PRO proteins can be used for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interactions. The polypeptides and nucleotide sequences of the receptor and ligand proteins are also available. AA371545 to AA371599 represent pharmaceutical and diagnostic agents. AA371745 to AA371750 represent PCR primers and hybridization probes used in the isolation of the PRO polypeptides from the present invention.

AA	Sequence	248 AA;
5Q		

Query Match	Score	DB	Length
37.7%; Best Local Similarity	564;	21;	248;
45.0%; Best Global Similarity	564;	21;	248;

Matches 118; Conservative 29; Mismatches 92; Indels 18; Gaps 5.

23 LMAQLMAABALLPONDRLDEAY-GAPCARGSQPMWSTFNGLSFHCAGVLVDQHW 81

Db 7 LLCLVGLSGQA-----TKIFNGIEGGRNSQPMQVGLFEGTSLRCGGVLIIDHRV 57

QY 82 LTHAGCNKPLMAYGDDHLLIQ-GEOLRTTTSVHPKYHOGSGPILPRTDEHDLML 140

Db 58 LTAALHSGSRIVAVRLGSHLSLSQDLMTEQIRHSGFSVTHPGYLGA-----TSHEHDLRL 111

[illegible]

112 LRLRLPVRWISSVQPLEPNDCAITAGTECHVSGNGITNNHRNPFDDLQCLNLSVSHAT 171

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DDB A1ZCHGVYFGR1T5NNWCAGGVP3GDDACQXSGGSPVCCGGVZLQSLV5MGSV9PCGDD01PGVY 231
 000 260 T01CKYMGNTNKUTBSN 326

232 TVICKYVDWTFMTMNN 248

RESULT 10
AAM23994

MM23994 standard; Protein; 248 AA.

AC 2AM23994;
XX

DT 12-OCT-2001 (first entry)
XX

DE Human EST encoded protein SEQ ID NO: 1519.
XX

Human, sheep, pig, cow, fruit fly, yeast, hamster, macaque, horse, comato; monkey, dog; sea urchin; expressed sequence tag; EST

diagnosis; gene therapy; genetic disorder; biodiversity; gene mapping; nutriction.

AA
OS
XX
Homo sapiens.

PN W020015477-A2.

PD 02-AUG-2001.

XX 25-JAN-2001, 2001NC-0502687.
 XX 25-JAN-2000, 2000US-043146.
 XX 17-JUL-2000, 2000US-0617146.
 XX 03-AUG-2000, 2000US-061451.
 XX 15-SEP-2000, 2000US-0663870.
 XX (HXBSE) - HXBSE INC.
 XX Tang Y.T., Liu C., Zhou P., Qian X.B., Wang Z., Chan R., Aarndt V.,
 XX Cao Y., Dinnane R.A., Zhang J., Wehman T.,
 XX NPI: 2001-476164/51.
 XX N-FDB: AA936653.
 XX Isolated polypeptide for treatment of diseases, diagnostics, raising
 XX antibodies and research use -
 XX Claim 20: Page 1048-1049, 1372pp; English.
 XX The present invention provides the protein and coding sequences of novel
 XX proteins from a variety of organisms including human, mouse, rat, sheep,
 XX cow, pig, hamster, monkey, macaque, yeast, bacteria, fruit fly, sea
 XX urchin and comets. These were derived from expressed sequence tags (ESTs)
 XX and genomic DNA mapping. The identified genes can be used in diagnostics,
 XX for vaccine development, and for nutritional purposes. The present invention is a
 XX protein of the invention.
 XX Sequence 248 AA;
 XX
 XX Query Match 37.7%, Score 564; DB 22; Length 248;
 XX Best Local Similarity 45.9%; Pred. No. 3.9e-45;
 XX Matches 118; Conservative 29; Mismatches 92; Indels 18; Gaps 5;
 XX
 XX 23 LLMQMAALALPQNRIRLDPAV-GACACAGSQPQVLSLNGSLFRCAGVLDGCV 51
 XX 7 LILCVLGISQA-----TFKINTECRNSQPVGLFEYSLRCGVLDHNAV 57
 XX 82 LPAACGKSLPAAGVDDLLD-GEQLARTTSVTPRNGSGQVLPRTDNDL 140
 XX 58 LPAACGKSLPAAGVDDLLD-GEQLARTTSVTPRNGSGQVLPRTDNDL 111
 XX 141 LKLAAPVPPPPALDLYVQCPQDQVQGVGTAAPRYNKGLTCSITLSPRE 200
 XX 112 LKLAAPVPPPPALDLYVQCPQDQVQGVGTAAPRYNKGLTCSITLSPRE 171
 XX 201 CEVYGVYNNMCGALNDGDCQSGSGEVLCTETLGLISNG-VTPCSAGAPAY 259
 XX 172 CEVYGVYNNMCGALNDGDCQSGSGEVLCTETLGLISNG-VTPCSAGAPAY 231
 XX 260 TQICRNSKINIKNSN 276
 XX 232 TYICKYVDIMHINEN 248
 XX
 XX RESULT 11
 XX AA067888 standard; protein 248 AA.
 XX AA066142;
 XX 02-APR-2001 (first entry)
 XX Protein of the invention 654.
 XX Secreted transmembrane gene therapy.
 XX Identified.
 XX OS
 XX UN
 XX MO200078961-A1.

PD 26-DEC-2000.
 PF 18-FEB-2000; 2000NC-050432.
 XX 23-JUN-1999, 99US-0144037.
 XX 26-JUL-1999, 99US-0145687.
 XX 01-SEP-1999, 99MO-0520111.
 XX 23-OCT-1999, 99US-0163506.
 XX 02-DEC-1999, 99MO-0528513.
 XX 16-DEC-1999, 99MO-0530095.
 XX 05-JAN-2000; 2000NC-0500219.
 XX 06-JAN-2000; 2000MO-0500376.
 XX (GETH) - GENENTECH INC.
 XX Baker KP, Boerstein D, Desnoyers L, Eaton DU, Ferrara N, Fong S,
 XX 03-APR-2000, 2000US-050432.
 XX Pan Y, Pooni NF, Boyd KA, Smith J, Stewart TR, Tanaka D,
 XX Wetmabe CK, Williams PW, Wood WJ,
 XX NPI: 2001-071395/08.
 XX Secreted and transmembrane protein and nucleic acids designated PRO,
 XX useful as hybridization probes, in chromosome and gene mapping and gene
 XX therapy -
 XX Claim 1; Fig 108; 787pp; English.
 XX The present invention relates to secreted and transmembrane proteins.
 XX These proteins are secreted and transmembrane proteins, and the genes for
 XX these proteins, in chromosome and gene mapping and 1. The genes for
 XX anti-sense RNA and DNA. They may also be used to generate either
 XX transgenic animals or knockout animals which are in turn useful for
 XX the screening of therapeutically useful reagents.
 XX The nucleic acids may also be used in gene therapy.
 XX Sequence 248 AA;
 XX
 XX Query Match 37.7%; Score 564; DB 22; Length 248;
 XX Best Local Similarity 45.9%; Pred. No. 3.9e-45;
 XX Matches 118; Conservative 29; Mismatches 92; Indels 18; Gaps 5;
 XX
 XX 23 LLMQMAALALPQNRIRLDPAV-GACACAGSQPQVLSLNGSLFRCAGVLDGCV 51
 XX 7 LILCVLGISQA-----TFKINTECRNSQPVGLFEYSLRCGVLDHNAV 57
 XX 82 LPAACGKSLPAAGVDDLLD-GEQLARTTSVTPRNGSGQVLPRTDNDL 140
 XX 58 LPAACGKSLPAAGVDDLLD-GEQLARTTSVTPRNGSGQVLPRTDNDL 111
 XX 141 LKLAAPVPPPPALDLYVQCPQDQVQGVGTAAPRYNKGLTCSITLSPRE 200
 XX 112 LKLAAPVPPPPALDLYVQCPQDQVQGVGTAAPRYNKGLTCSITLSPRE 171
 XX 201 CEVYGVYNNMCGALNDGDCQSGSGEVLCTETLGLISNG-VTPCSAGAPAY 259
 XX 172 CEVYGVYNNMCGALNDGDCQSGSGEVLCTETLGLISNG-VTPCSAGAPAY 231
 XX 260 TQICRNSKINIKNSN 276
 XX 232 TYICKYVDIMHINEN 248
 XX
 XX RESULT 12
 XX AA067888 standard; protein 251 AA.
 XX AA067888;
 XX 25-MAR-2003 (updated)
 XX 09-AUG-1995 (first entry)

XX DE Human stratum corneum chymotryptic recombinant enzyme (SCCE).
 XX XX Stratum corneum chymotryptic enzyme; skin disorder; acne; prostaticis;
 XX KM callosities; keratosis pilaris; ichthyoses; eczema.
 XX OS Homo sapiens.
 XX NM MO900651-A1.
 XX PD 05-JAN-1995.
 XX PD 20-JUN-1994, 94NM-1B00166.
 XX PR 18-JUN-1993, 93DK-0000725.
 XX XX (SYNBI) SYNBI.COM AB.
 XX PI Beggelund T, Hansson L;
 XX NM NFI, 1995-05308/07.
 XX DR N-PSDB; AA081203.
 XX XX Nucleotide sequence encoding stratum corneum chymotryptic enzyme
 XX PT and related sequences of skin disorders and psoriasis, and
 XX PT useful for treating skin disorders and/or for preventing, and
 XX PT for identification of specific inhibitors.
 XX XX Disclature; Page 97; 137bp; English.
 XX CC The enzyme encoded by this sequence is used in pharmaceutical, cosmetic
 XX CC and skin care products, especially to treat and prevent acne,
 XX CC xeroderma, or other hyperkeratotic conditions (e.g., callosities or
 XX CC psoriasis). The enzyme is a serine protease, and its C-terminus is
 XX CC produced recombinantly following the amino acid sequence of the
 XX CC microorganism transformation with plasmid pS507.
 XX CC (updated on 25-MAR-2003 to correct PN field.)
 XX SC Sequence 253 AA;
 XX
 XX Query Match 36.7%; Score 549; DB 16; Length 253;
 XX Best Local Similarity 40.9%; Pred. No. 1e-43; 97; Indels 14; Gaps 4;
 XX Matches 106; Conservative 45; Miscellaneous 97; Indels 14; Gaps 4;
 XX
 XX 14 AATATATCTPLAAAGAAATLADPNDRTLDPEANFACACAGSGPQWVADLNGSLPFCAG 73
 XX DB 2 AATATATCTPLAAAGAAATLADPNDRTLDPEANFACACAGSGPQWVADLNGSLPFCAG 57
 XX 74 VLVDSQWVLTAAACGKEMARVVDHLLLGSQLRRTTSVVPYHQSQSPILPRT 133
 XX DB 58 VLVDSQWVLTAAACGKEMARVVDHLLLGSQLRRTTSVVPYHQSQSPILPRT 108
 XX DB 134 DEHDHLLKLTAAFPVPPVPAALQPYPCAGQDQGVAGAGTTAARVYKNGSLTCSI 168
 XX DB 109 RVNDHLLKLTAAFPVPPVPAALQPYPCAGQDQGVAGAGTTAARVYKNGSLTCSI 168
 XX 194 TLTPKECEVFPQVYNNHNCAGL-DKQDPCQSGSGPGLVCDTIGLILSGWGYCOS 352
 XX DB 169 KLTSPDCTVYKQALLNSHNCAGLDPKSKNCNDSGSLVCKGTGLGLVSWGYFCQ 228
 XX 253 AGRVAYTQICWPMNINVTREN 276
 XX DB 229 PNDGVYTVCKFTKMTINDTKKH 252
 XX
 XX RESULT 13
 XX ID AA005383 standard; Protein; 253 AA.
 XX AC AA005383;
 XX DT 31-DEC-1996 (first entry)

XX DE Human amyloid precursor protein protease.
 XX XX Amyloid precursor protein protease; Alzheimer's disease; diagnosis;
 XX KM therapy.
 XX OS Homo sapiens.
 XX NM MO9631122-A1.
 XX PD 10-OCT-1996.
 XX PD 02-APR-1996; 96NM-0504254.
 XX PR 04-APR-1995; 95US-0416257.
 XX XX (ELIL) ELILY & CO SGL.
 XX PI Dixon SP, Johnstone BM, Little SP,
 XX NM NFI, 1996-46694/46.
 XX DR N-PSDB; AA053783.
 XX XX New isolated human amyloid precursor protein protease - used to
 XX PT develop probe, for the treatment or diagnosis of associated
 XX PT conditions, esp. Alzheimer's disease
 XX PT Claim 1; Page 44-45; 55bp; English.
 XX XX Human amyloid precursor protein protease (AA05383) is involved in
 XX XX the development of Alzheimer's disease. The amino acid sequence was deduced from
 XX CC beta-amyloid peptide. Its amino acid sequence was deduced from
 XX CC a cDNA clone (AA05383) obtd. from a human lung library. Recombinant
 XX CC protease can be produced in transformed or transfected prokaryotic
 XX CC (bacterial, yeast, or eukaryotic) or eukaryotic (animal) cells. The
 XX CC isolated protease is useful for the treatment and diagnosis of
 XX CC associated conditions. The protease is useful for treating or preventing
 XX CC peptide, esp. Alzheimer's disease.
 XX SC Sequence 253 AA;
 XX
 XX Query Match 36.7%; Score 549; DB 17; Length 253;
 XX Best Local Similarity 40.9%; Pred. No. 1e-43; 97; Indels 14; Gaps 4;
 XX Matches 106; Conservative 45; Miscellaneous 97; Indels 14; Gaps 4;
 XX
 XX 14 AATATATCTPLAAAGAAATLADPNDRTLDPEANFACACAGSGPQWVADLNGSLPFCAG 73
 XX DB 2 AATATATCTPLAAAGAAATLADPNDRTLDPEANFACACAGSGPQWVADLNGSLPFCAG 57
 XX 74 VLVDSQWVLTAAACGKEMARVVDHLLLGSQLRRTTSVVPYHQSQSPILPRT 133
 XX DB 58 VLVDSQWVLTAAACGKEMARVVDHLLLGSQLRRTTSVVPYHQSQSPILPRT 108
 XX DB 134 DEHDHLLKLTAAFPVPPVPAALQPYPCAGQDQGVAGAGTTAARVYKNGSLTCSI 168
 XX DB 109 RVNDHLLKLTAAFPVPPVPAALQPYPCAGQDQGVAGAGTTAARVYKNGSLTCSI 168
 XX 194 TLTPKECEVFPQVYNNHNCAGL-DKQDPCQSGSGPGLVCDTIGLILSGWGYCOS 352
 XX DB 169 KLTSPDCTVYKQALLNSHNCAGLDPKSKNCNDSGSLVCKGTGLGLVSWGYFCQ 228
 XX 253 AGRVAYTQICWPMNINVTREN 276
 XX DB 229 PNDGVYTVCKFTKMTINDTKKH 252
 XX
 XX RESULT 14
 XX ID ABB84406 standard; Protein; 253 AA.
 XX AC ABB84406;
 XX DT 08-NOV-2002 (first entry)

CC fragment of the human stratum corneum chymotryptic enzyme, SCCE
 CC transgenic mammals described in the invention.
 CC
 XX

SQ Sequence 253 AA:

Query Match 36.7%; Score 549; DB 23; Length 253;
 Best Local Similarity 40.9%; Pred. No. 1e-43;

Matches 108; Conservative 45; Mismatches 97; Indels 14; Gaps 4;

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QY 14 ASLAKLPLIMAGAAABALPQUTPLDPANRAGAGSSGPGYSIPAGLSRQAG 73
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
DB 2 ASLLPLDQILLISALSTRNGEAGDYLID---GPFAGSSHPQVALLSGNDLDCG 57
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
QY 74 WUDSGSRALNCGKNEEMANRCODHILLQSGQLARTTSVWHRKHQSSGPIIPERT 133
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
DB 58 VLVNRKVVLTALHCKGNEYELSGDYLDPRAAGRIYASISPHQY-----STQI 108
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
QY 134 DEEDILKLTARPVKSGRRVNALQLPYRCAQPDCCVAGNGITNARVKNIGLTCSSI 193
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
DB 109 HWMDPLVYMSQALSQVKNVLPKSHPEPDTCTVSSMGRITTSPTFSDLACTDY 168
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
QY 194 TILSPKECEVPYVYTNNTICAGL-DREGQDPCGDSGSPVCDETLQGLISNGVPCGS 252
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
DB 169 KLISSDCTNRYKGLLENSKGLDQAFISKSNKNGDSGGPZVNGDTLSDNSNGDTFPCQ 228
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
QY 253 AGHPAYVYQICNYSWYINKYIRSN 276
   |||  |||  |||  |||  |||  |||  |||  |||  |||
DB 229 PNDISGVYQVCLNTNMDTMDTKMGI 252
   |||  |||  |||  |||  |||  |||  |||  |||  |||

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Search completed: November 25, 2003, 09:07:13
 Job time : 54 secs